FCC RADIO TEST REPORT

FCC ID	:	2AHBN-AP63
Equipment	:	Premium Outdoor 802.11ax WiFi and BLE Array AP
Brand Name	:	Mist
Model Name	:	AP63, AP63E
Applicant	:	Juniper Networks, Inc. 1133 Innovation Way, Sunnyvale, CA 94089, USA
Manufacturer	:	Juniper Networks, Inc. 1133 Innovation Way, Sunnyvale, CA 94089, USA
Standard	:	47 CFR FCC Part 15.407

The product was received on Apr. 16, 2020, and testing was started from Jul. 03, 2020 and completed on Jul. 24, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR041650-01	01	Initial issue of report	Aug. 18, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]

For Radio 1

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n (HT20)	20	4TX
5.25-5.35GHz	802.11n (HT20)-BF	20	4TX
5.25-5.35GHz	802.11ac (VHT20)	20	4TX
5.25-5.35GHz	802.11ac (VHT20)-BF	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11n (HT40)	40	4TX
5.25-5.35GHz	802.11n (HT40)-BF	40	4TX
5.25-5.35GHz	802.11ac (VHT40)	40	4TX
5.25-5.35GHz	802.11ac (VHT40)-BF	40	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11ac (VHT80)	80	4TX
5.25-5.35GHz	802.11ac (VHT80)-BF	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n (HT20)	20	4TX
5.47-5.725GHz	802.11n (HT20)-BF	20	4TX
5.47-5.725GHz	802.11ac (VHT20)	20	4TX
5.47-5.725GHz	802.11ac (VHT20)-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11n (HT40)	40	4TX

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11n (HT40)-BF	40	4TX
5.47-5.725GHz	802.11ac (VHT40)	40	4TX
5.47-5.725GHz	802.11ac (VHT40)-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ac (VHT80)	80	4TX
5.47-5.725GHz	802.11ac (VHT80)-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX

For Radio 2

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n (HT20)	20	4TX
5.47-5.725GHz	802.11n (HT20)-BF	20	4TX
5.47-5.725GHz	802.11ac (VHT20)	20	4TX
5.47-5.725GHz	802.11ac (VHT20)-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11n (HT40)	40	4TX
5.47-5.725GHz	802.11n (HT40)-BF	40	4TX
5.47-5.725GHz	802.11ac (VHT40)	40	4TX
5.47-5.725GHz	802.11ac (VHT40)-BF	40	4TX
5.47-5.725GHz	802.11ac (VHT80)	80	4TX
5.47-5.725GHz	802.11ac (VHT80)-BF	80	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX

For Radio 3

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11n (HT20)	20	2TX
5.25-5.35GHz	802.11ac (VHT20)	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11n (HT40)	40	2TX
5.25-5.35GHz	802.11ac (VHT40)	40	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ac (VHT80)	80	2TX
5.25-5.35GHz	802.11ac (VHT80)-BF	80	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.25-5.35GHz	802.11ax HEW80-BF	80	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11n (HT20)	20	2TX
5.47-5.725GHz	802.11ac (VHT20)	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11n (HT40)	40	2TX
5.47-5.725GHz	802.11ac (VHT40)	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ac (VHT80)	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- HEW20, HEW40, HEW80 a use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

For Configuration 1 / Internal Antenna of EUT:

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Antenna Gain(dBi)			Radio
						WLAN 2.4GHz	WLAN 5GHz	Bluetooth	
1 ~ 4	1~4	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	6	-	R1-5GHz
5~8	1~4	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	4	-	-	R2-2.4GHz
9~10	1~2	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	2.3	4.7	-	R3-2.4GHz R3-5GHz
11 ~ 18	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	5.1	R4
19	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	4.3	R4
20	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	1.4	R4

Note: The above information was declared by manufacturer.

For Radio 1 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For Radio 2 / 2.4GHz function:
For IEEE 802.11b/g/n/ax and VHT mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For Radio 3 / 2.4GHz function:
For IEEE 802.11b/g/n/ax and VHT mode (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For Radio 3 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For Radio 4 / Bluetooth function (1TX/1RX):
Only Port 1 can be use as transmitting/receiving antenna.

For Configuration 3 / Internal Antenna of EUT:

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Antenna Gain(dBi)					Radio
						WLAN 2.4GHz	WLAN 5GHz			Bluetooth	
							B1, B2 (R1)	B3, B4 (R2)	B1 ~ B4 (R3)		
1 ~ 4	R1:4~1 R2:1~4	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	4	6	-	-	-	R1-5GHz R2-2.4GHz
5~8	1~4	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	6	-	-	R2-5GHz
9~10	1~2	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	2.3	-	-	4.7	-	R3-2.4GHz R3-5GHz
11~18	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	-	-	5.1	R4
19	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	-	-	4.3	R4
20	1	Juniper	81XKAF15,G35	PIFA Antenna	I-PEX	-	-	-	-	1.4	R4

Note: The above information was declared by manufacturer.

For Radio 1 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For Radio 2 / 2.4GHz function:
For IEEE 802.11b/g/n/ax and VHT mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For Radio 2 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For Radio 3 / 2.4GHz function:
For IEEE 802.11b/g/n/ax and VHT mode (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For Radio 3 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For Radio 4 / Bluetooth function (1TX/1RX):
Only Port 1 can be use as transmitting/receiving antenna.

For Configuration 2 / External Antenna of EUT:

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Antenna Gain(dBi)			Radio
						WLAN 2.4GHz	WLAN 5GHz	Bluetooth	
1	1~4	AccelTex	ATS-OO-245-46-6NP-36	Omni Antenna	N-Style	4	6	-	R2-2.4GHz R1-5GHz
	1~2	AccelTex	ATS-OO-245-46-6NP-36	Omni Antenna	N-Style	4	6	-	R3-2.4GHz R3-5GHz
2	1~4	AccelTex	ATS-OP-245-810-6NP-36	Patch Antenna	N-Style	8	10	-	R2-2.4GHz R1-5GHz
	1~2	AccelTex	ATS-OP-245-810-6NP-36	Patch Antenna	N-Style	8	10	-	R3-2.4GHz R3-5GHz
3 ~ 10	1	Juniper	81XKAF15,G36	PIFA Antenna	I-PEX	-	-	5.1	R4
11	1	Juniper	81XKAF15,G36	PIFA Antenna	I-PEX	-	-	4.3	R4
12	1	Juniper	81XKAF15,G36	PIFA Antenna	I-PEX	-	-	1.4	R4

Note: The above information was declared by manufacturer.

For Radio 1 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For Radio 2 / 2.4GHz function:
For IEEE 802.11b/g/n/ax and VHT mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For Radio 3 / 2.4GHz function:
For IEEE 802.11b/g/n/ax and VHT mode (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For Radio 3 / 5GHz function:
For IEEE 802.11a/n/ac/ax mode (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For Radio 4 / Bluetooth function (1TX/1RX):
Only Port 1 can be use as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

For Configuration 1 + EUT 1 / Radio 1:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.947	0.24	2.065m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_4TX	0.964	0.16	781.25u	3k
802.11ax HEW80_Nss1,(MCS0)_4TX	0.931	0.31	415u	3k

For Configuration 3 + EUT 1 / Radio 2 (5GHz / Band 4):

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.947	0.24	2.066m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.978	0.1	1.489m	1k
802.11ax HEW40_Nss1,(MCS0)_4TX	0.964	0.16	781.25u	3k
802.11ax HEW80_Nss1,(MCS0)_4TX	0.931	0.31	415u	3k

For Configuration 1 + EUT 1 / Radio 3:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.957	0.19	2.065m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.978	0.1	1.489m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.964	0.16	781.25u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.931	0.31	415u	3k

For Configuration 2 + EUT 2 / Radio 1 / External Ant.1:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.953	0.21	2.068m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_4TX	0.963	0.16	780.625u	3k
802.11ax HEW80_Nss1,(MCS0)_4TX	0.93	0.32	413.75u	3k

For Configuration 2 + EUT 2 / Radio 3 / External Ant.1:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.947	0.24	2.066m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.978	0.1	1.489m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.964	0.16	781.25u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.931	0.31	415u	3k

For Configuration 2 + EUT 2 / Radio 1 / External Ant.2:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.953	0.21	2.068m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_4TX	0.963	0.16	780.625u	3k
802.11ax HEW80_Nss1,(MCS0)_4TX	0.93	0.32	413.75u	3k

For Configuration 2 + EUT 2 / Radio 3 / External Ant.2:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.947	0.24	2.066m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.978	0.1	1.489m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.964	0.16	781.25u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.931	0.31	415u	3k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For 802.11n/VHT/ax in 2.4GHz and 802.11n/ac/ax in 5GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
TPC Function	☒	With TPC	☐	Without TPC
Function	☒	Outdoor P2M	☐	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	accessMTool 3.2.0.2			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	EUT	Description
AP63	EUT 1	The model name: AP63 indicates that it comes with internal antennas and The model name: AP63E indicates that the access point comes with external antenna connectors.
AP63E	EUT 2	

1.1.6 Table for EUT Configuration

Configuration	EUT	Radio 1	Radio 2	Radio 3	Radio 4
1	1	WLAN 5GHz (Full Band)	WLAN 2.4GHz	WLAN 2.4GHz + WLAN 5GHz (Full Band)	Bluetooth
2	2	WLAN 5GHz (Full Band)	WLAN 2.4GHz	WLAN 2.4GHz + WLAN 5GHz (Full Band)	Bluetooth
3	1	WLAN 5GHz (Low Band)	WLAN 2.4GHz + WLAN 5GHz (High Band)	WLAN 2.4GHz + WLAN 5GHz (Full Band)	Bluetooth

Note: 1. The Bluetooth antennas are the same for EUT 1 and EUT 2, so there's only EUT 1 was tested and recorded in the report.
2. The above information was declared by manufacturer.

1.1.7 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR041650

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Adding 5GHz band 2 and band 3 (5250~5350 MHz, 5470~5725 MHz) for this device.	1. Emission Bandwidth. 2. Maximum Conducted Output Power. 3. Peak Power Spectral Density. 4. Unwanted Emissions Radiated Emission >1GHz.

1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v02r01

The following reference test guidance is not within the scope of accreditation of TAF.

- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location							
☐	HWA YA	ADD	:	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)			
		TEL	:	886-3-327-3456	FAX	:	886-3-327-0973
☒	JHUBEI	ADD	:	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.			
		TEL	:	886-3-656-9065	FAX	:	886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH03-CB	Benson Su	24.9-26.7°C / 58-62%	Jul. 11, 2020 ~ Jul. 17, 2020
Radiated	03CH01-CB	Eason Chen	24.8-26.1°C / 59-61%	Jul. 03, 2020 ~ Jul. 24, 2020
	03CH03-CB	Eason Chen	25.1-26.9°C / 58-60%	Jul. 03, 2020 ~ Jul. 24, 2020

Test site Designation No. TW0006 with FCC
Test site registered number IC 4086D with Industry Canada.

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.6 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.39%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Configuration 1 + EUT 1 / Radio 1:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	45
5300MHz	45
5320MHz	46
5500MHz	48
5580MHz	49
5700MHz	48
5720MHz Straddle 5.47-5.725GHz	47
5720MHz Straddle 5.725-5.85GHz	47
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	47
5300MHz	47
5320MHz	47
5500MHz	50
5580MHz	51
5700MHz	42
5720MHz Straddle 5.47-5.725GHz	49
5720MHz Straddle 5.725-5.85GHz	49
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	59
5310MHz	51
5510MHz	49
5550MHz	61
5670MHz	59
5710MHz Straddle 5.47-5.725GHz	61
5710MHz Straddle 5.725-5.85GHz	61
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	52
5530MHz	55
5610MHz	67
5690MHz Straddle 5.47-5.725GHz	73
5690MHz Straddle 5.725-5.85GHz	73
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	42
5300MHz	43

Mode	Power Setting
5320MHz	43
5500MHz	45
5580MHz	45
5700MHz	42
5720MHz Straddle 5.47-5.725GHz	51
5720MHz Straddle 5.725-5.85GHz	51
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	43
5310MHz	43
5510MHz	45
5550MHz	45
5670MHz	44
5710MHz Straddle 5.47-5.725GHz	48
5710MHz Straddle 5.725-5.85GHz	48
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	45
5530MHz	45
5610MHz	45
5690MHz Straddle 5.47-5.725GHz	47
5690MHz Straddle 5.725-5.85GHz	47

For Configuration 3 + EUT 1 / Radio 2 (5GHz / Band 3):

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5500MHz	48
5580MHz	49
5700MHz	48
5720MHz Straddle 5.47-5.725GHz	49
5720MHz Straddle 5.725-5.85GHz	49
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5500MHz	49
5580MHz	50
5700MHz	49
5720MHz Straddle 5.47-5.725GHz	51
5720MHz Straddle 5.725-5.85GHz	51
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5510MHz	59
5550MHz	61
5670MHz	59
5710MHz Straddle 5.47-5.725GHz	61
5710MHz Straddle 5.725-5.85GHz	61
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5530MHz	62
5610MHz	68
5690MHz Straddle 5.47-5.725GHz	69
5690MHz Straddle 5.725-5.85GHz	69
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5500MHz	47
5580MHz	48
5700MHz	48
5720MHz Straddle 5.47-5.725GHz	51
5720MHz Straddle 5.725-5.85GHz	51
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5510MHz	49
5550MHz	49
5670MHz	47
5710MHz Straddle 5.47-5.725GHz	49
5710MHz Straddle 5.725-5.85GHz	49
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5530MHz	49
5610MHz	47
5690MHz Straddle 5.47-5.725GHz	46

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	46

For Configuration 1 + EUT 1 / Radio 3:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	76
5300MHz	77
5320MHz	77
5500MHz	74
5580MHz	79
5700MHz	63
5720MHz Straddle 5.47-5.725GHz	78
5720MHz Straddle 5.725-5.85GHz	78
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	78
5300MHz	78
5320MHz	77
5500MHz	72
5580MHz	80
5700MHz	54
5720MHz Straddle 5.47-5.725GHz	79
5720MHz Straddle 5.725-5.85GHz	79
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	83
5310MHz	67
5510MHz	68
5550MHz	85
5670MHz	77
5710MHz Straddle 5.47-5.725GHz	86
5710MHz Straddle 5.725-5.85GHz	86
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	66
5530MHz	68
5610MHz	82
5690MHz Straddle 5.47-5.725GHz	85
5690MHz Straddle 5.725-5.85GHz	85

For Configuration 2 + EUT 2 / Radio 1 / External Ant.1:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	43
5300MHz	44
5320MHz	44
5500MHz	46
5580MHz	47
5700MHz	49
5720MHz Straddle 5.47-5.725GHz	49
5720MHz Straddle 5.725-5.85GHz	49
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	45
5300MHz	46
5320MHz	46
5500MHz	47
5580MHz	49
5700MHz	49
5720MHz Straddle 5.47-5.725GHz	50
5720MHz Straddle 5.725-5.85GHz	50
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	57
5310MHz	54
5510MHz	54
5550MHz	59
5670MHz	62
5710MHz Straddle 5.47-5.725GHz	62
5710MHz Straddle 5.725-5.85GHz	62
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	53
5530MHz	55
5610MHz	71
5690MHz Straddle 5.47-5.725GHz	75
5690MHz Straddle 5.725-5.85GHz	75
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	42
5300MHz	42
5320MHz	42
5500MHz	44
5580MHz	45
5700MHz	47

Mode	Power Setting
5720MHz Straddle 5.47-5.725GHz	50
5720MHz Straddle 5.725-5.85GHz	50
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	42
5310MHz	43
5510MHz	43
5550MHz	44
5670MHz	47
5710MHz Straddle 5.47-5.725GHz	47
5710MHz Straddle 5.725-5.85GHz	47
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	44
5530MHz	44
5610MHz	47
5690MHz Straddle 5.47-5.725GHz	47
5690MHz Straddle 5.725-5.85GHz	47

For Configuration 2 + EUT 2 / Radio 3 / External Ant.1:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	67
5300MHz	68
5320MHz	68
5500MHz	65
5580MHz	69
5700MHz	68
5720MHz Straddle 5.47-5.725GHz	71
5720MHz Straddle 5.725-5.85GHz	71
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	69
5300MHz	69
5320MHz	70
5500MHz	69
5580MHz	70
5700MHz	61
5720MHz Straddle 5.47-5.725GHz	73
5720MHz Straddle 5.725-5.85GHz	73
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	80
5310MHz	65
5510MHz	64
5550MHz	80
5670MHz	80
5710MHz Straddle 5.47-5.725GHz	86
5710MHz Straddle 5.725-5.85GHz	86
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	65
5530MHz	65
5610MHz	84
5690MHz Straddle 5.47-5.725GHz	86
5690MHz Straddle 5.725-5.85GHz	86

For Configuration 2 + EUT 2 / Radio 1 / External Ant.2:
For Conducted measurement and Band Edge Emission test:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	26
5300MHz	27
5320MHz	27
5500MHz	28
5580MHz	29
5700MHz	31
5720MHz Straddle 5.47-5.725GHz	31
5720MHz Straddle 5.725-5.85GHz	31
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	28
5300MHz	29
5320MHz	29
5500MHz	30
5580MHz	31
5700MHz	33
5720MHz Straddle 5.47-5.725GHz	33
5720MHz Straddle 5.725-5.85GHz	33
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	40
5310MHz	41
5510MHz	42
5550MHz	43
5670MHz	46
5710MHz Straddle 5.47-5.725GHz	45
5710MHz Straddle 5.725-5.85GHz	45
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	52
5530MHz	53
5610MHz	57
5690MHz Straddle 5.47-5.725GHz	57
5690MHz Straddle 5.725-5.85GHz	57
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	25
5300MHz	25
5320MHz	25
5500MHz	26
5580MHz	27

Mode	Power Setting
5700MHz	29
5720MHz Straddle 5.47-5.725GHz	33
5720MHz Straddle 5.725-5.85GHz	33
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	24
5310MHz	25
5510MHz	26
5550MHz	27
5670MHz	29
5710MHz Straddle 5.47-5.725GHz	29
5710MHz Straddle 5.725-5.85GHz	29
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	27
5530MHz	27
5610MHz	30
5690MHz Straddle 5.47-5.725GHz	29
5690MHz Straddle 5.725-5.85GHz	29

For Radiated Emission:

Mode	Radiated Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	108
5300MHz	108
5320MHz	108
5500MHz	108
5580MHz	108
5700MHz	103
5720MHz Straddle 5.47-5.725GHz	96
5720MHz Straddle 5.725-5.85GHz	96
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	108
5300MHz	108
5320MHz	108
5500MHz	108
5580MHz	108
5700MHz	106
5720MHz Straddle 5.47-5.725GHz	102
5720MHz Straddle 5.725-5.85GHz	102
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	108
5310MHz	108
5510MHz	108
5550MHz	108
5670MHz	108
5710MHz Straddle 5.47-5.725GHz	108
5710MHz Straddle 5.725-5.85GHz	108
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	108
5530MHz	108
5610MHz	108
5690MHz Straddle 5.47-5.725GHz	108
5690MHz Straddle 5.725-5.85GHz	108

For Configuration 2 + EUT 2 / Radio 3 / External Ant.2:
For Conducted measurement and Band Edge Emission test:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	52
5300MHz	53
5320MHz	52
5500MHz	51
5580MHz	53
5700MHz	56
5720MHz Straddle 5.47-5.725GHz	56
5720MHz Straddle 5.725-5.85GHz	56
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	54
5300MHz	54
5320MHz	54
5500MHz	53
5580MHz	55
5700MHz	57
5720MHz Straddle 5.47-5.725GHz	58
5720MHz Straddle 5.725-5.85GHz	58
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	65
5310MHz	64
5510MHz	60
5550MHz	64
5670MHz	68
5710MHz Straddle 5.47-5.725GHz	70
5710MHz Straddle 5.725-5.85GHz	70
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	66
5530MHz	63
5610MHz	68
5690MHz Straddle 5.47-5.725GHz	69
5690MHz Straddle 5.725-5.85GHz	69

For Radiated Emission:

Mode	Radiated Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	108
5300MHz	108
5320MHz	108
5500MHz	108
5580MHz	108
5700MHz	108
5720MHz Straddle 5.47-5.725GHz	108
5720MHz Straddle 5.725-5.85GHz	108
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	108
5300MHz	108
5320MHz	108
5500MHz	108
5580MHz	108
5700MHz	108
5720MHz Straddle 5.47-5.725GHz	108
5720MHz Straddle 5.725-5.85GHz	108
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	108
5310MHz	108
5510MHz	108
5550MHz	108
5670MHz	108
5710MHz Straddle 5.47-5.725GHz	108
5710MHz Straddle 5.725-5.85GHz	108
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	108
5530MHz	108
5610MHz	108
5690MHz Straddle 5.47-5.725GHz	108
5690MHz Straddle 5.725-5.85GHz	108

Note: The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests		
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density	
Test Condition	Conducted measurement at transmit chains	
Test Mdoe	1	Configuration 1 + EUT 1 / Radio 1
	2	Configuration 3 + EUT 1 / Radio 2 (5GHz / Band 3)
	3	Configuration 1 + EUT 1 / Radio 3
	4	Configuration 2 + EUT 2 / Radio 1 / External Ant.1
	5	Configuration 2 + EUT 2 / Radio 3 / External Ant.1
	6	Configuration 2 + EUT 2 / Radio 1 / External Ant.2
	7	Configuration 2 + EUT 2 / Radio 3 / External Ant.2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode > 1GHz	CTX

1. The External Ant.1 was performed at 90° and 180° position and the worst case was found at 180°. So the measurement will follow this same test configuration.
2. The EUT was performed at X、Y axis and Z axis and the worst case was found at below:

Items	Radiated Emission			Band Edge Emission		
	Radio 1	Radio 2	Radio 3	Radio 1	Radio 2	Radio 3
EUT 1	Y axis	Y axis	X axis	Y axis	Y axis	X axis
EUT 2 + External Ant.1 in 180°	(Note 1)	Without support	(Note 1)	X axis	Without support	X axis
EUT 2 + External Ant.2	Z axis	Without support	X axis	Z axis	Without support	Y axis
Note 1	The EUT 2 accompanies with two types of external antennas. The External Ant.2 with the highest gain and highest power setting were selected to conduct the measurement, and the test result is recorded in this test report.					

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
For Configuration 1: EUT 1	
1	Radio 1 (WLAN 5GHz) + Radio 2 (WLAN 2.4GHz) + Radio 3 (WLAN 2.4GHz) + Radio 4 (Bluetooth)
2	Radio 1 (WLAN 5GHz) + Radio 2 (WLAN 2.4GHz) + Radio 3 (WLAN 5GHz) + Radio 4 (Bluetooth)
For Configuration 2: EUT 2	
3	Radio 1 (WLAN 5GHz) + Radio 2 (WLAN 2.4GHz) + Radio 3 (WLAN 2.4GHz) + Radio 4 (Bluetooth)
4	Radio 1 (WLAN 5GHz) + Radio 2 (WLAN 2.4GHz) + Radio 3 (WLAN 5GHz) + Radio 4 (Bluetooth)
For Configuration 3: EUT 1	
5	Radio 1 (WLAN 5GHz / Low Band) + Radio 2 (WLAN 2.4GHz) + Radio 3 (WLAN 2.4GHz) + Radio 4 (Bluetooth)
6	Radio 1 (WLAN 5GHz / Low Band) + Radio 2 (WLAN 2.4GHz) + Radio 3 (WLAN 5GHz) + Radio 4 (Bluetooth)
7	Radio 1 (WLAN 5GHz / Low Band) + Radio 2 (WLAN 5GHz / High Band) + Radio 3 (WLAN 2.4GHz) + Radio 4 (Bluetooth)
8	Radio 1 (WLAN 5GHz / Low Band) + Radio 2 (WLAN 5GHz / High Band) + Radio 3 (WLAN 5GHz) + Radio 4 (Bluetooth)
Refer to Sporton Test Report No.: FA041650-01 for Co-location RF Exposure Evaluation.	

Note: The PoE is for measurement only, would not be marketed.
PoE information as below:

Power	Brand	Model
PoE	Buffalo	BIJ-POE-1P:T

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Flush Mount Bracket*1
Mounting Bracket*2
Seal*2

2.5 Support Equipment

For Radiated (above 1GHz):

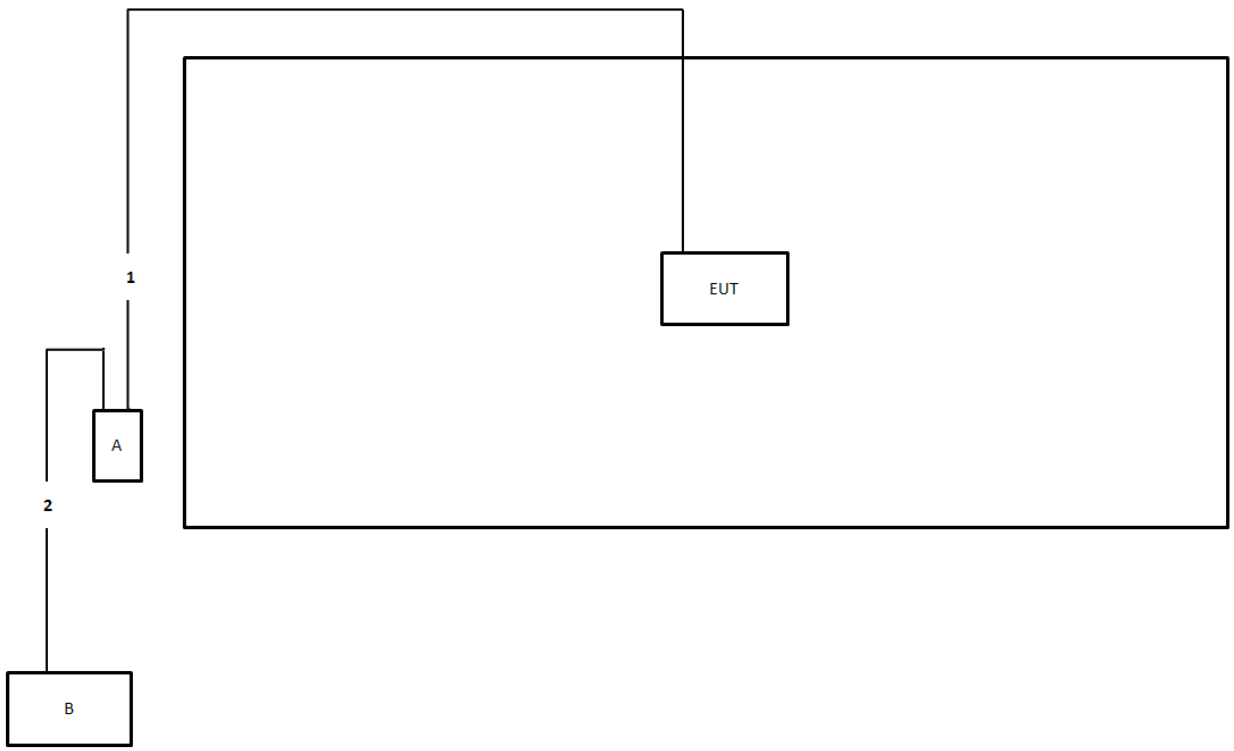
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	Buffalo	BIJ-POE-1P:T	N/A
B	Notebook	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE	Buffalo	BIJ-POE-1P:T	N/A

2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

3.1.2 Measuring Instruments

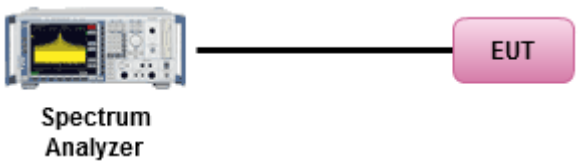
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.1.4 Test Setup

Emission Bandwidth



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

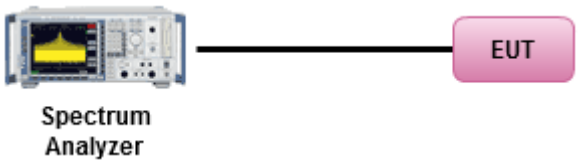
3.2.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

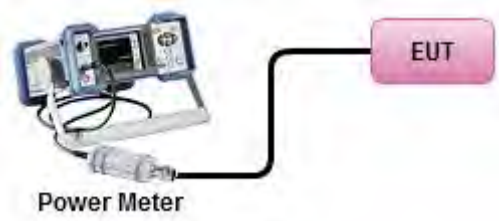
For Straddle channel test:

RF Output Power (Spectrum Analyzer)



For other test:

RF Output Power (Power Meter)



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

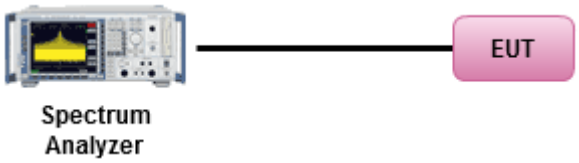
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
	[duty cycle ≥ 98% or external video / power trigger]	
	☒ Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.3.4 Test Setup

Power Spectral Density



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
☐ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.4.2 Measuring Instruments

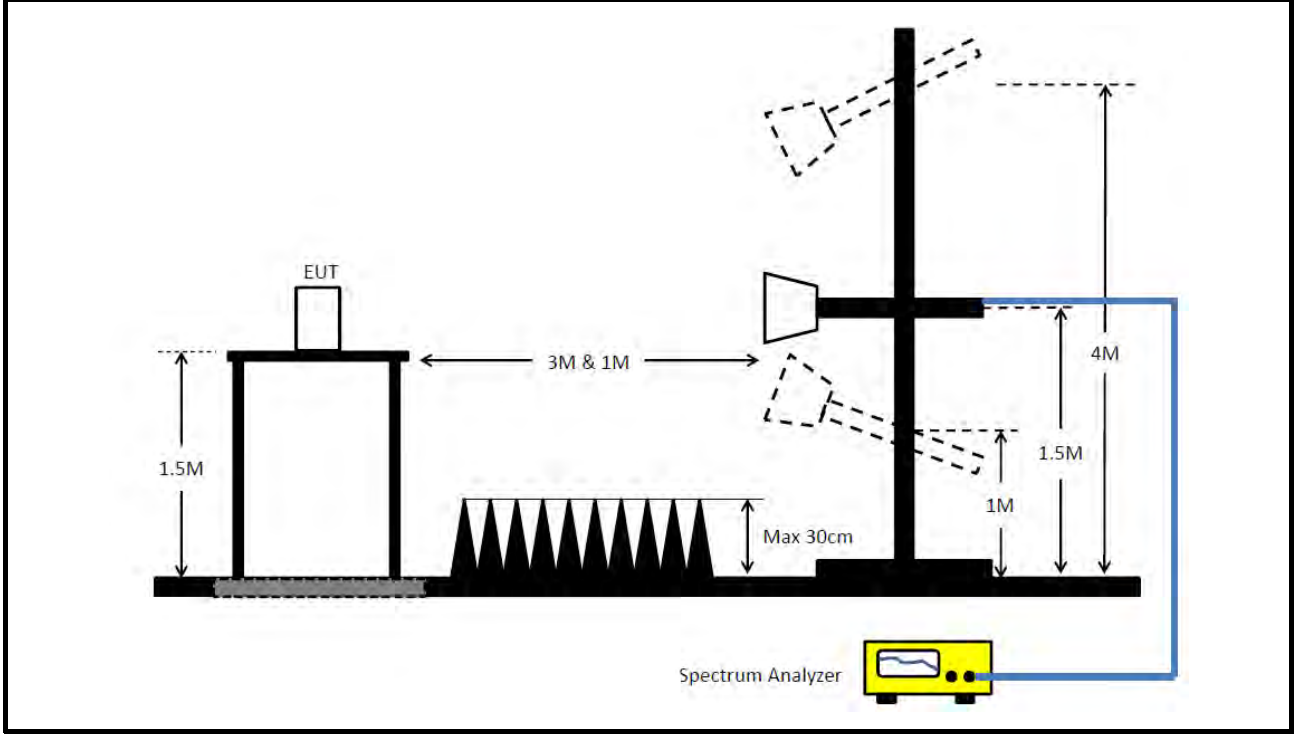
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method		
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
▪ For radiated measurement.		
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
▪ The any unwanted emissions level shall not exceed the fundamental emission level.		
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.		

3.4.4 Test Setup

Above 1GHz



3.4.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor (if applicable) = Level.

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2019	Nov. 03, 2020	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 11, 2020	Jun. 10, 2021	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2020	Jan. 07, 2021	Radiation (03CH01-CB)
Amplifier	-	-	TF-130N-R1	18GHz ~ 40GHz	Jun. 19, 2020	Jun. 18, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 20, 2020	Jan. 19, 2021	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 11, 2020	Jun. 10, 2021	Radiation (03CH03-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 26.5GHz	Aug. 02, 2019	Aug. 01, 2020	Radiation (03CH03-CB)
Amplifier	-	-	TF-130N-R1	18GHz ~ 40GHz	Jun. 19, 2020	Jun. 18, 2021	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+27(spare)	1GHz ~ 18GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-27(spare)	1GHz ~ 18GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Nov. 01, 2019	Oct. 31, 2020	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)

Note: Calibration Interval of instruments listed above is one year.

For EUT 1 / Radio 1_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.48M	16.792M	16M8D1D	21.15M	16.672M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.6M	19.13M	19M1D1D	21.39M	18.981M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.14M	37.661M	37M7D1D	39.78M	37.541M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.72M	76.762M	76M8D1D	81.12M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.45M	16.792M	16M8D1D	15.488M	13.346M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.57M	19.13M	19M1D1D	15.628M	14.5M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.661M	37M7D1D	34.913M	33.658M
802.11ax HEW80_Nss1,(MCS0)_4TX	102.96M	77.121M	77M1D1D	81M	73.201M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.165M	4.348M	4M35D1D	3.15M	4.183M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.53M	4.798M	4M80D1D	4.44M	4.663M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.825M	7.421M	7M42D1D	3.6M	4.153M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.825M	25.427M	25M4D1D	3.57M	20.315M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

For EUT 1 / Radio 1_Non-Beamforming Mode
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.24M	16.732M	21.42M	16.792M	21.36M	16.762M	21.36M	16.672M
5300MHz	Pass	Inf	21.21M	16.732M	21.36M	16.792M	21.33M	16.762M	21.3M	16.672M
5320MHz	Pass	Inf	21.15M	16.732M	21.48M	16.792M	21.33M	16.762M	21.3M	16.672M
5500MHz	Pass	Inf	21.09M	16.732M	21.45M	16.792M	21.36M	16.762M	21.24M	16.672M
5580MHz	Pass	Inf	21.27M	16.732M	21.24M	16.792M	21.21M	16.762M	21.33M	16.672M
5700MHz	Pass	Inf	21.27M	16.762M	21.45M	16.792M	21.09M	16.792M	21.27M	16.672M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.488M	13.346M	15.645M	13.381M	15.733M	13.433M	15.575M	13.346M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	4.258M	3.165M	4.348M	3.15M	4.243M	3.165M	4.183M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.57M	18.981M	21.39M	19.04M	21.51M	19.07M	21.48M	19.1M
5300MHz	Pass	Inf	21.48M	19.01M	21.42M	19.04M	21.54M	19.07M	21.6M	19.13M
5320MHz	Pass	Inf	21.48M	18.981M	21.57M	19.04M	21.48M	19.07M	21.54M	19.1M
5500MHz	Pass	Inf	21.51M	19.01M	21.42M	19.07M	21.54M	19.1M	21.51M	19.1M
5580MHz	Pass	Inf	21.48M	19.01M	21.39M	19.07M	21.51M	19.07M	21.45M	19.1M
5700MHz	Pass	Inf	21.42M	19.01M	21.51M	19.04M	21.48M	19.07M	21.57M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.733M	14.5M	15.628M	14.5M	15.733M	14.535M	15.803M	14.535M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.663M	4.5M	4.723M	4.47M	4.723M	4.53M	4.798M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.14M	37.601M	39.9M	37.601M	40.02M	37.601M	40.08M	37.661M
5310MHz	Pass	Inf	40.08M	37.541M	39.78M	37.541M	39.96M	37.601M	39.9M	37.541M
5510MHz	Pass	Inf	40.08M	37.481M	39.84M	37.481M	40.14M	37.541M	39.96M	37.541M
5550MHz	Pass	Inf	40.14M	37.541M	39.84M	37.541M	40.02M	37.661M	40.02M	37.601M
5670MHz	Pass	Inf	40.2M	37.601M	39.84M	37.541M	40.08M	37.601M	40.02M	37.661M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.063M	33.658M	34.913M	33.658M	34.95M	33.696M	35.1M	33.808M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.6M	4.153M	3.765M	4.153M	3.825M	4.318M	3.735M	7.421M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.36M	76.762M	81.12M	76.762M	81.48M	76.762M	81.72M	76.762M
5530MHz	Pass	Inf	81.36M	76.762M	81M	76.762M	81.48M	76.762M	81.6M	76.762M
5610MHz	Pass	Inf	93.6M	77.001M	93.12M	77.001M	94.2M	77.121M	102.96M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	88.815M	73.278M	88.815M	73.201M	91.605M	73.278M	98.735M	73.433M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.825M	20.315M	3.57M	23.448M	3.735M	24.708M	3.57M	25.427M

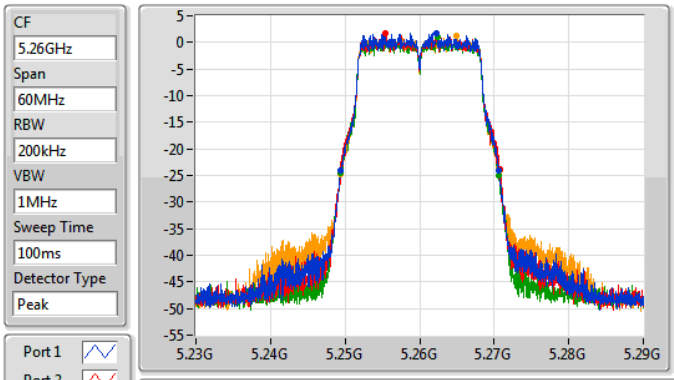
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

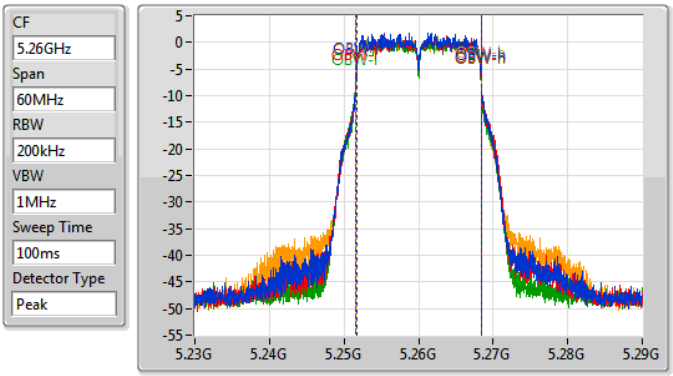
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5260MHz

11/07/2020



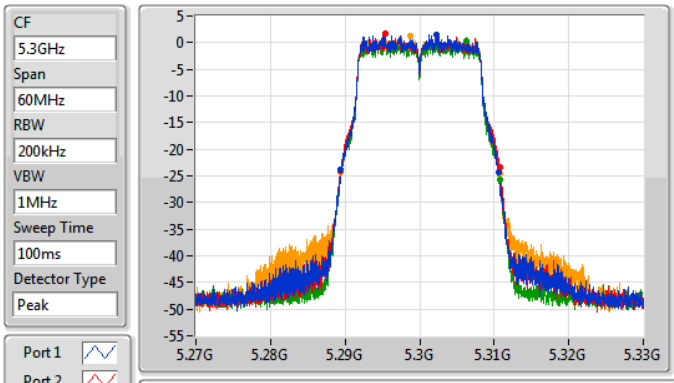


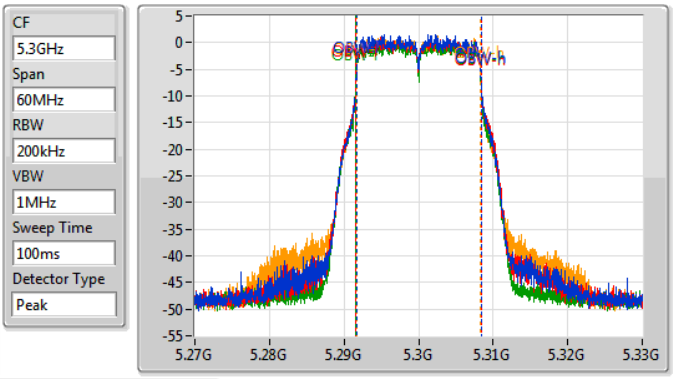
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.24944G	5.27068G	16.732M	5.251664G	5.268396G	Inf	1
21.42M	5.24938G	5.2708G	16.792M	5.251634G	5.268426G	Inf	2
21.36M	5.24932G	5.27068G	16.762M	5.251604G	5.268366G	Inf	3
21.36M	5.24944G	5.2708G	16.672M	5.251694G	5.268366G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5300MHz

11/07/2020





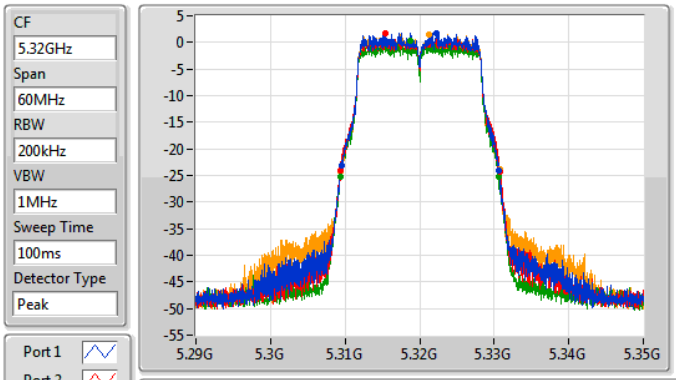
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.28944G	5.31065G	16.732M	5.291664G	5.308396G	Inf	1
21.36M	5.28935G	5.31071G	16.792M	5.291634G	5.308426G	Inf	2
21.33M	5.28938G	5.31071G	16.762M	5.291604G	5.308366G	Inf	3
21.3M	5.28947G	5.31077G	16.672M	5.291664G	5.308336G	Inf	4

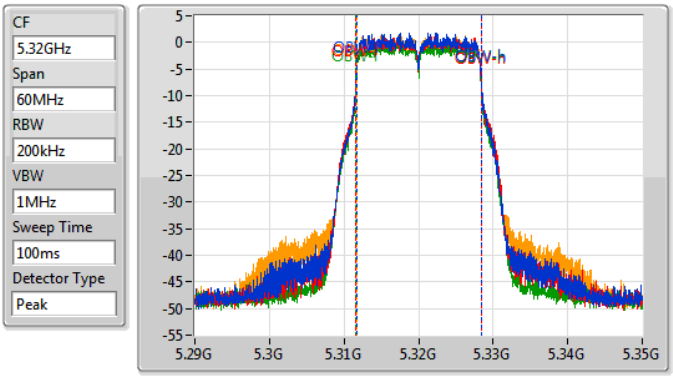
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5320MHz

11/07/2020



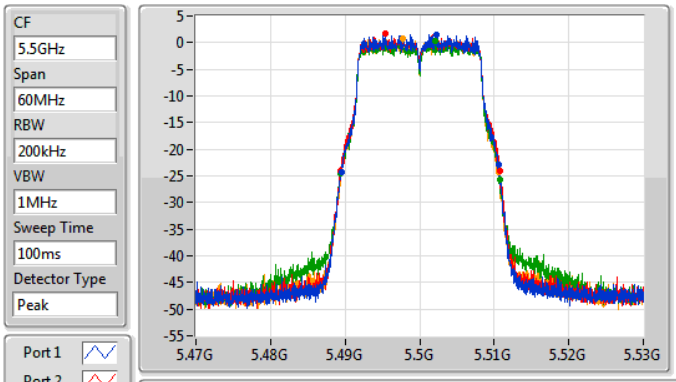


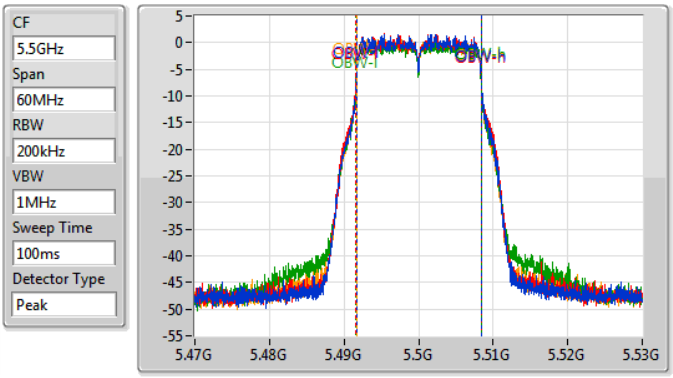
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.15M	5.3095G	5.33065G	16.732M	5.311664G	5.328396G	Inf	1
21.48M	5.30932G	5.3308G	16.792M	5.311634G	5.328426G	Inf	2
21.33M	5.30932G	5.33065G	16.762M	5.311604G	5.328366G	Inf	3
21.3M	5.30944G	5.33074G	16.672M	5.311694G	5.328366G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5500MHz

11/07/2020





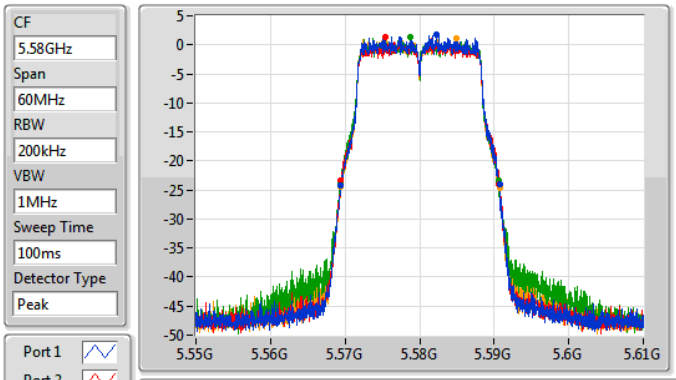
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.09M	5.4895G	5.51059G	16.732M	5.491664G	5.508396G	Inf	1
21.45M	5.48935G	5.5108G	16.792M	5.491634G	5.508426G	Inf	2
21.36M	5.48935G	5.51071G	16.762M	5.491604G	5.508366G	Inf	3
21.24M	5.48944G	5.51068G	16.672M	5.491694G	5.508366G	Inf	4

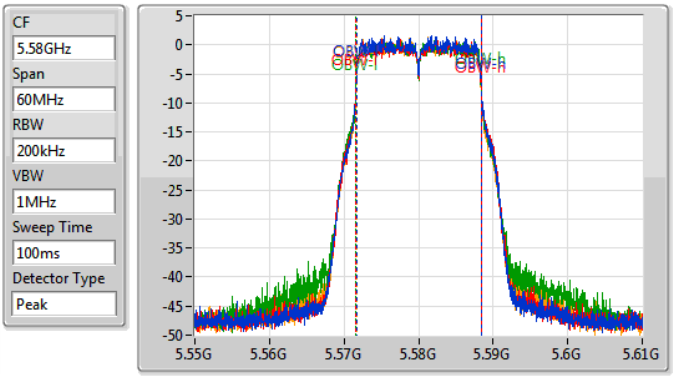
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5580MHz

11/07/2020



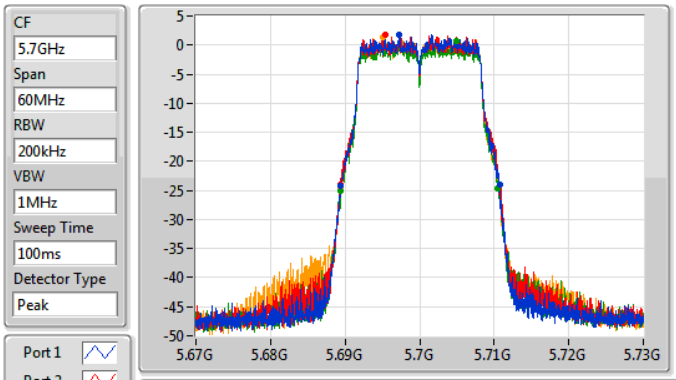


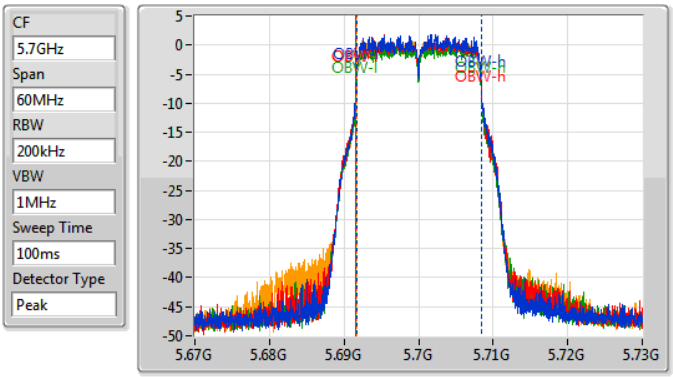
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.56947G	5.59074G	16.732M	5.571664G	5.588396G	Inf	1
21.24M	5.56944G	5.59068G	16.792M	5.571634G	5.588426G	Inf	2
21.21M	5.56938G	5.59059G	16.762M	5.571604G	5.588366G	Inf	3
21.33M	5.56941G	5.59074G	16.672M	5.571694G	5.588366G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5700MHz

11/07/2020





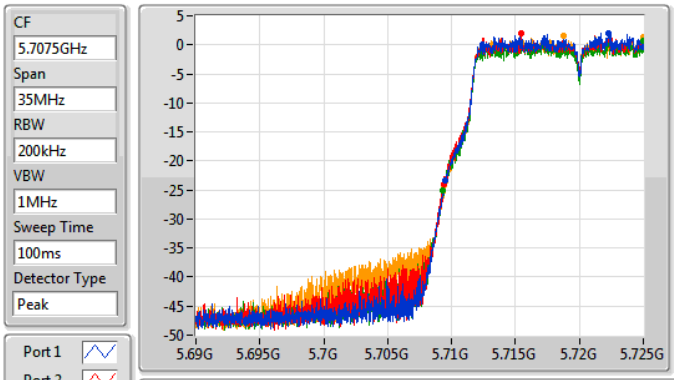
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.68947G	5.71074G	16.762M	5.691664G	5.708426G	Inf	1
21.45M	5.68935G	5.7108G	16.792M	5.691634G	5.708426G	Inf	2
21.09M	5.68941G	5.7105G	16.792M	5.691604G	5.708396G	Inf	3
21.27M	5.68944G	5.71071G	16.672M	5.691694G	5.708366G	Inf	4

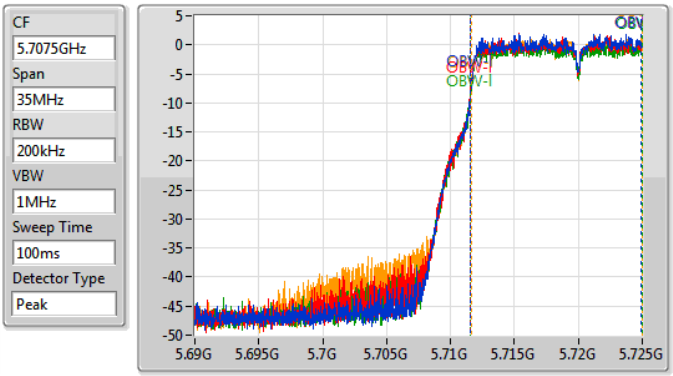
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

11/07/2020



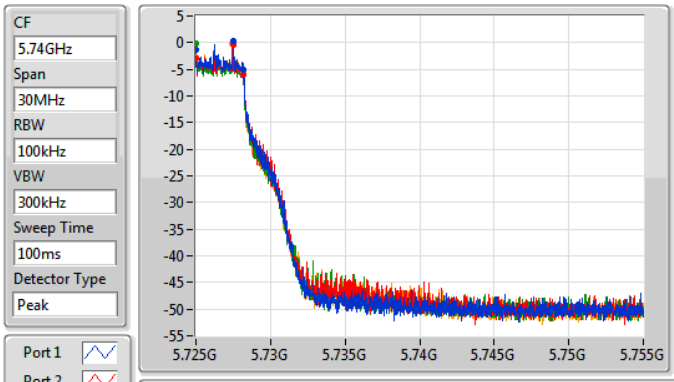


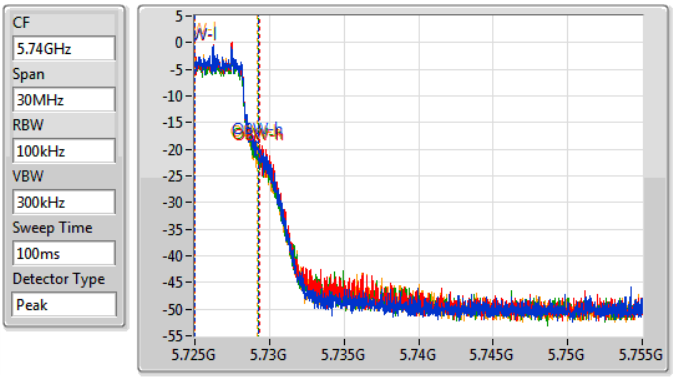
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.488M	5.709513G	5.725G	13.346M	5.711593G	5.724939G	Inf	1
15.645M	5.709355G	5.725G	13.381M	5.711558G	5.724939G	Inf	2
15.733M	5.709268G	5.725G	13.433M	5.711523G	5.724956G	Inf	3
15.575M	5.709425G	5.725G	13.346M	5.71161G	5.724956G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

11/07/2020





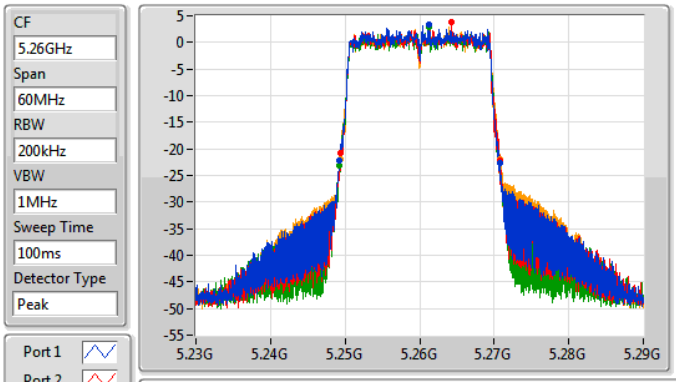
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.15M	5.725G	5.72815G	4.258M	5.725007G	5.729265G	500k	1
3.165M	5.725G	5.728165G	4.348M	5.725007G	5.729355G	500k	2
3.15M	5.725G	5.72815G	4.243M	5.725007G	5.72925G	500k	3
3.165M	5.725G	5.728165G	4.183M	5.725007G	5.72919G	500k	4

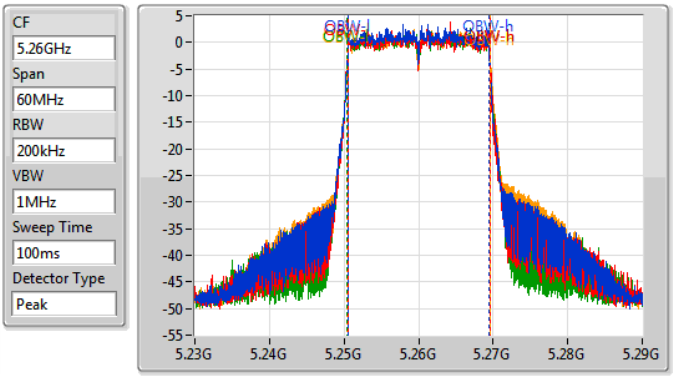
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5260MHz

11/07/2020



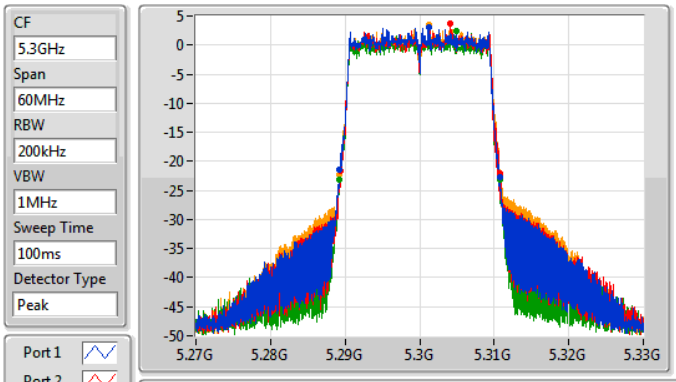


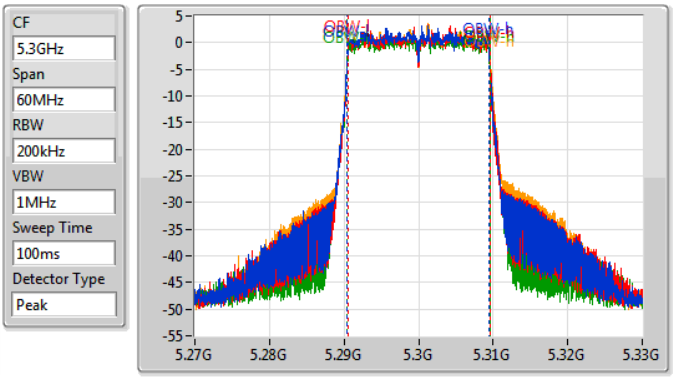
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.2492G	5.27077G	18.981M	5.250495G	5.269475G	Inf	1
21.39M	5.24941G	5.2708G	19.04M	5.250495G	5.269535G	Inf	2
21.51M	5.24923G	5.27074G	19.07M	5.250465G	5.269535G	Inf	3
21.48M	5.24932G	5.2708G	19.1M	5.250465G	5.269565G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5300MHz

11/07/2020





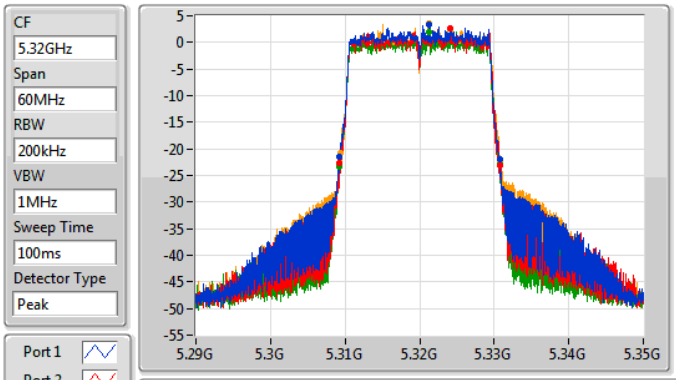
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.28926G	5.31074G	19.01M	5.290465G	5.309475G	Inf	1
21.42M	5.28935G	5.31077G	19.04M	5.290495G	5.309535G	Inf	2
21.54M	5.28923G	5.31077G	19.07M	5.290465G	5.309535G	Inf	3
21.6M	5.28926G	5.31086G	19.13M	5.290465G	5.309595G	Inf	4

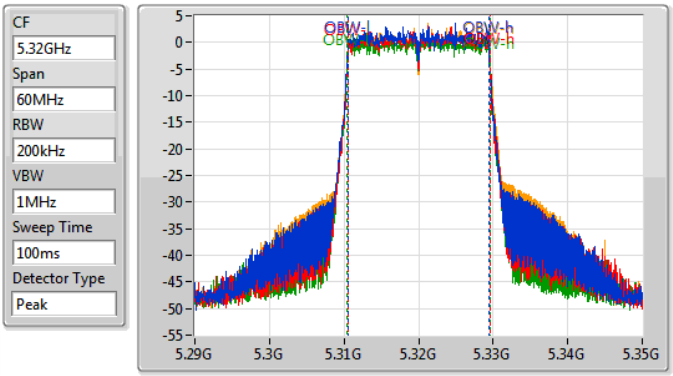
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5320MHz

11/07/2020



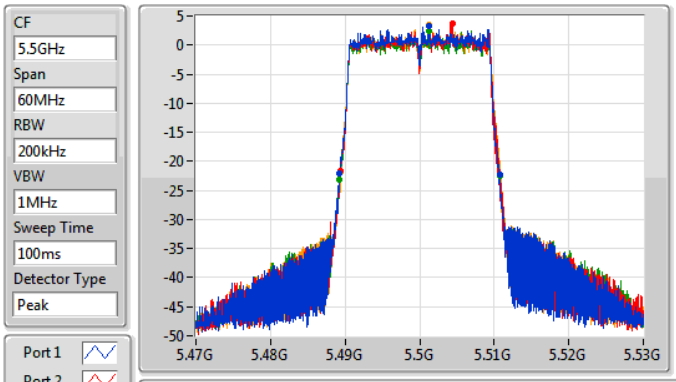


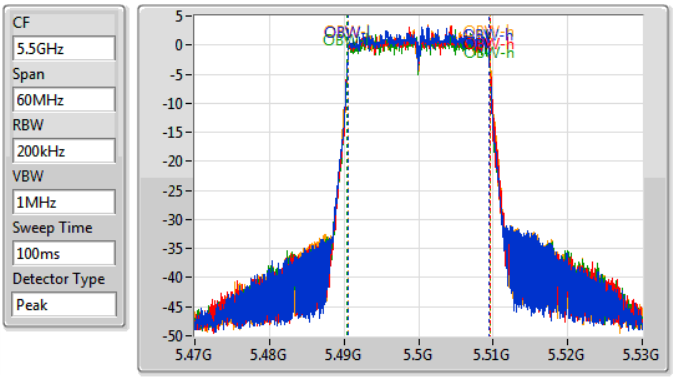
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.30923G	5.33071G	18.981M	5.310495G	5.329475G	Inf	1
21.57M	5.30929G	5.33086G	19.04M	5.310495G	5.329535G	Inf	2
21.48M	5.30926G	5.33074G	19.07M	5.310465G	5.329535G	Inf	3
21.54M	5.30932G	5.33086G	19.1M	5.310495G	5.329595G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5500MHz

11/07/2020





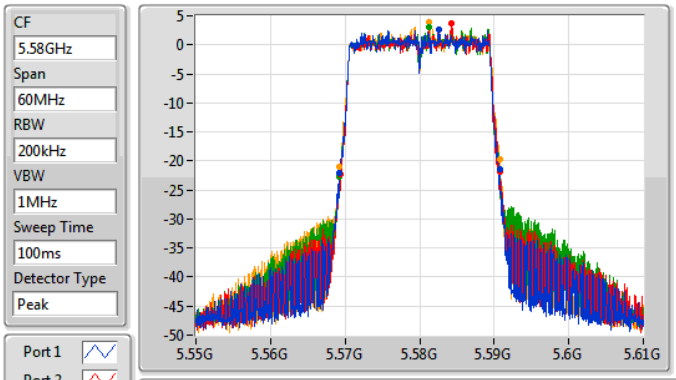
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.48926G	5.51077G	19.01M	5.490495G	5.509505G	Inf	1
21.42M	5.48938G	5.5108G	19.07M	5.490495G	5.509565G	Inf	2
21.54M	5.48923G	5.51077G	19.1M	5.490465G	5.509565G	Inf	3
21.51M	5.48935G	5.51086G	19.1M	5.490495G	5.509595G	Inf	4

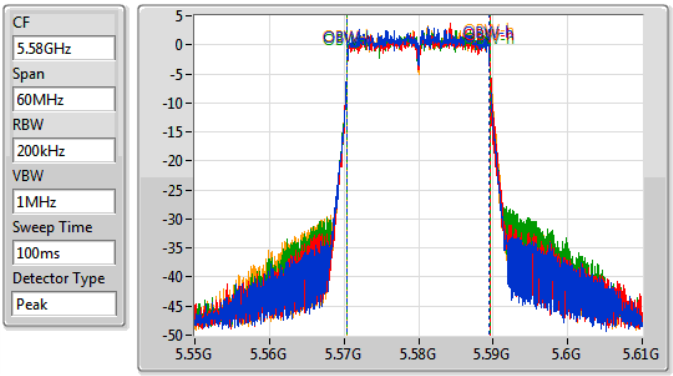
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5580MHz

11/07/2020



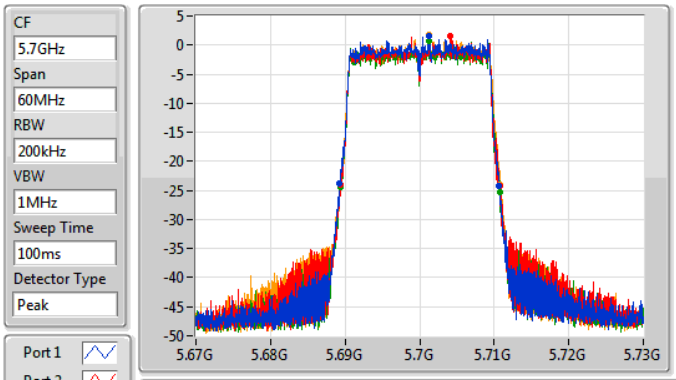


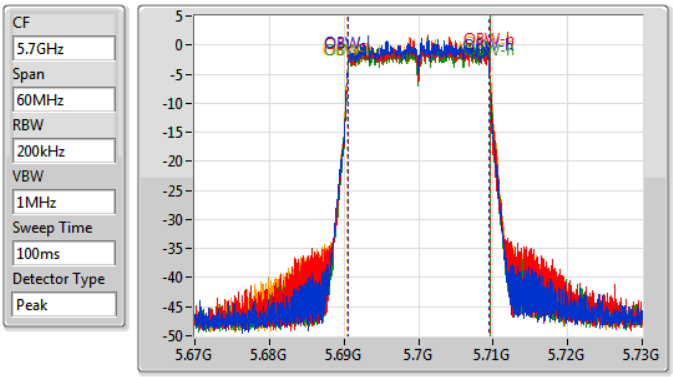
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.56926G	5.59074G	19.01M	5.570465G	5.589475G	Inf	1
21.39M	5.56938G	5.59077G	19.07M	5.570465G	5.589535G	Inf	2
21.51M	5.5692G	5.59071G	19.07M	5.570465G	5.589535G	Inf	3
21.45M	5.56926G	5.59071G	19.1M	5.570465G	5.589565G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5700MHz

11/07/2020





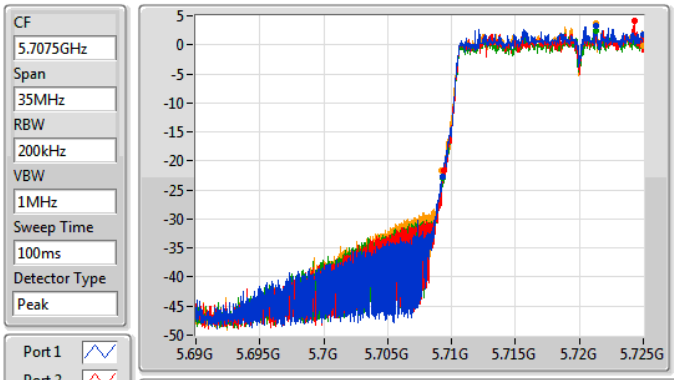
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.68926G	5.71068G	19.01M	5.690495G	5.709505G	Inf	1
21.51M	5.68935G	5.71086G	19.04M	5.690495G	5.709535G	Inf	2
21.48M	5.68932G	5.7108G	19.07M	5.690495G	5.709565G	Inf	3
21.57M	5.68929G	5.71086G	19.13M	5.690465G	5.709595G	Inf	4

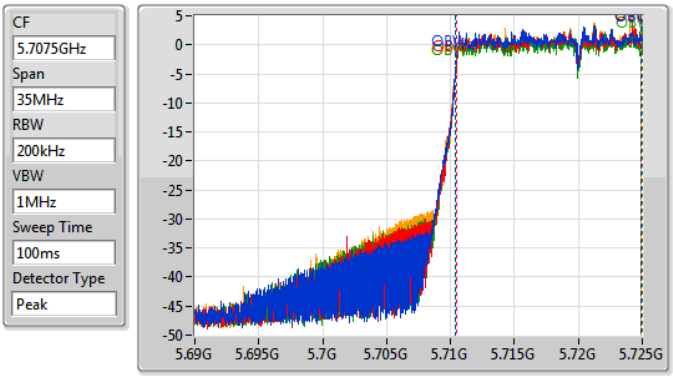
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

11/07/2020



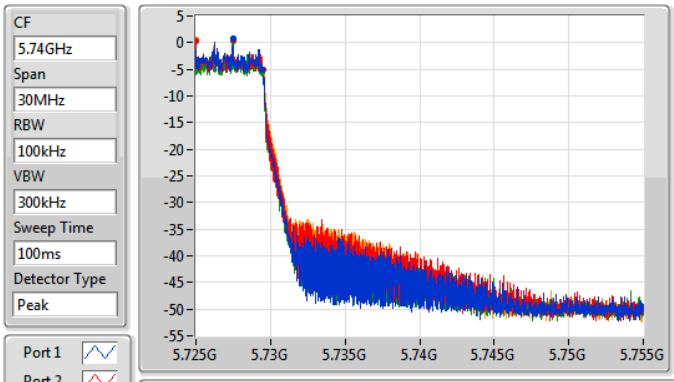


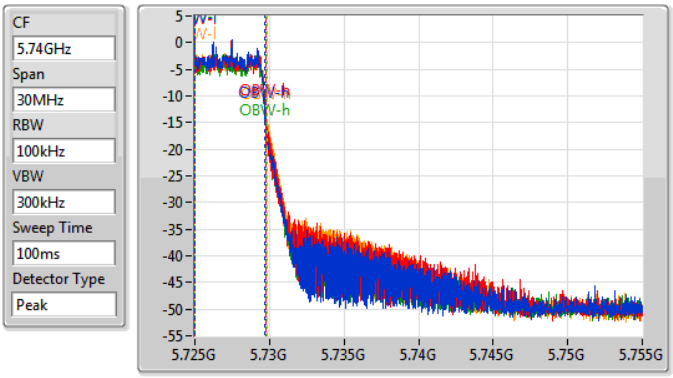
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.733M	5.709268G	5.725G	14.5M	5.710421G	5.724921G	Inf	1
15.628M	5.709373G	5.725G	14.5M	5.710439G	5.724939G	Inf	2
15.733M	5.709268G	5.725G	14.535M	5.710421G	5.724956G	Inf	3
15.803M	5.709198G	5.725G	14.535M	5.710404G	5.724939G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

11/07/2020





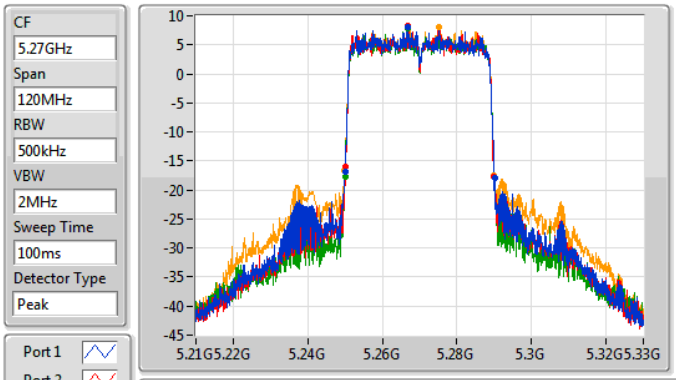
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.44M	5.725G	5.72944G	4.663M	5.725022G	5.729685G	500k	1
4.5M	5.725G	5.7295G	4.723M	5.725022G	5.729745G	500k	2
4.47M	5.725G	5.72947G	4.723M	5.725007G	5.72973G	500k	3
4.53M	5.725G	5.72953G	4.798M	5.725022G	5.72982G	500k	4

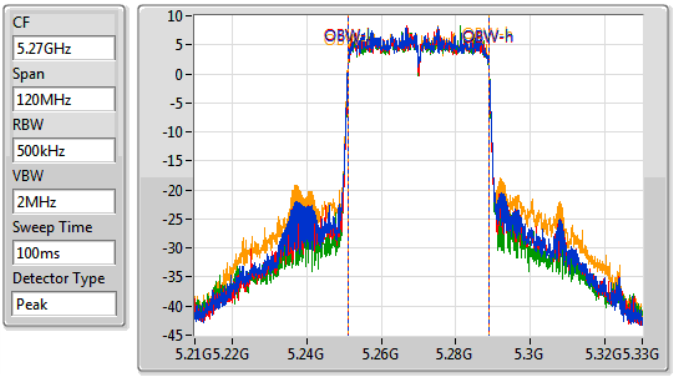
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5270MHz

11/07/2020



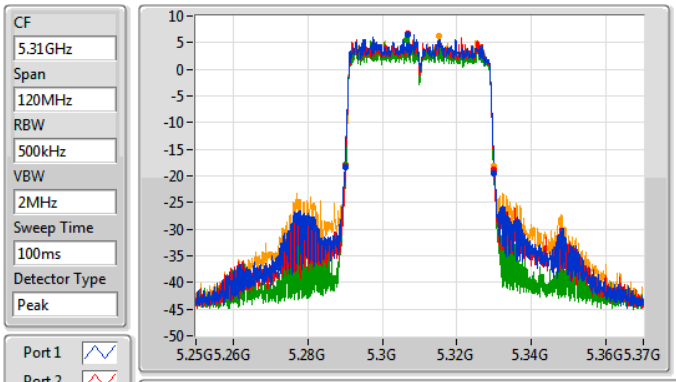


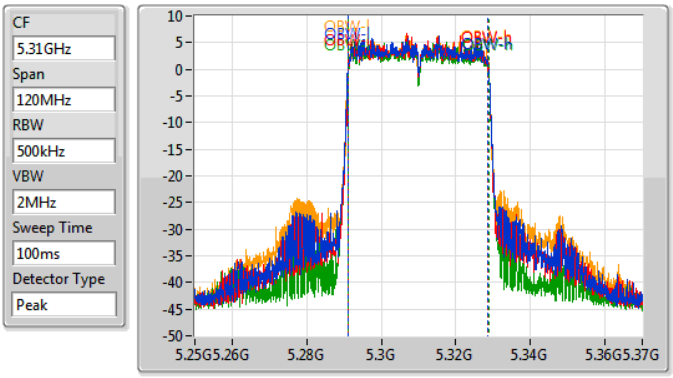
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.24996G	5.2901G	37.601M	5.251169G	5.288771G	Inf	1
39.9M	5.25014G	5.29004G	37.601M	5.251169G	5.288771G	Inf	2
40.02M	5.25002G	5.29004G	37.601M	5.251169G	5.288771G	Inf	3
40.08M	5.2499G	5.28998G	37.661M	5.251109G	5.288771G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5310MHz

11/07/2020





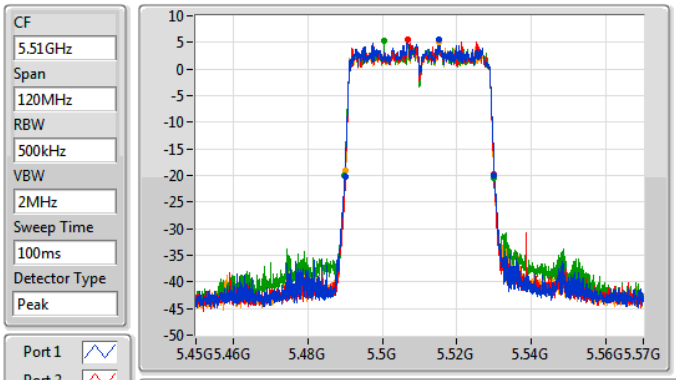
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.28996G	5.33004G	37.541M	5.291169G	5.328711G	Inf	1
39.78M	5.29014G	5.32992G	37.541M	5.291169G	5.328711G	Inf	2
39.96M	5.29002G	5.32998G	37.601M	5.291169G	5.328771G	Inf	3
39.9M	5.28996G	5.32986G	37.541M	5.291169G	5.328711G	Inf	4

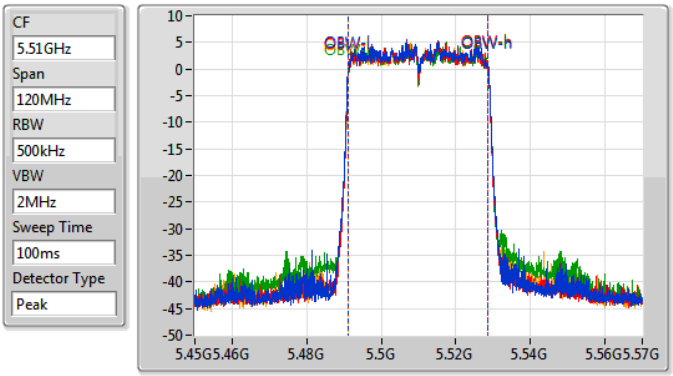
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5510MHz

11/07/2020



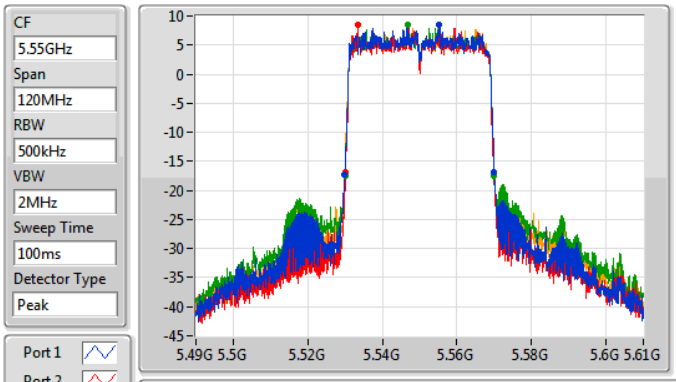


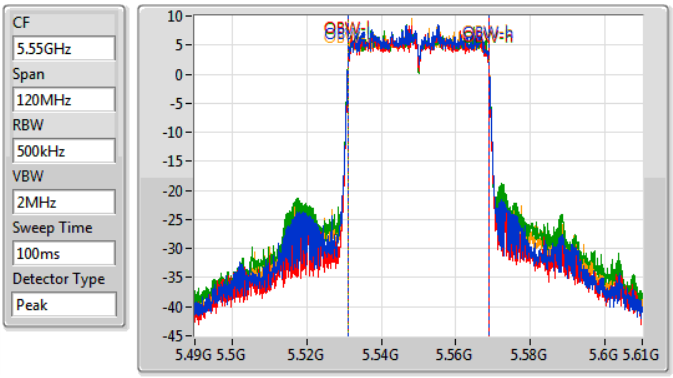
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.48996G	5.53004G	37.481M	5.491229G	5.528711G	Inf	1
39.84M	5.49008G	5.52992G	37.481M	5.491229G	5.528711G	Inf	2
40.14M	5.4899G	5.53004G	37.541M	5.491169G	5.528711G	Inf	3
39.96M	5.49002G	5.52998G	37.541M	5.491169G	5.528711G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5550MHz

11/07/2020





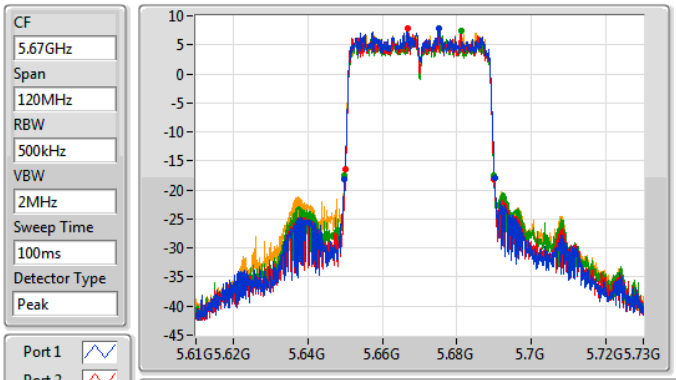
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.5299G	5.57004G	37.541M	5.531229G	5.568771G	Inf	1
39.84M	5.53008G	5.56992G	37.541M	5.531229G	5.568771G	Inf	2
40.02M	5.53002G	5.57004G	37.661M	5.531109G	5.568771G	Inf	3
40.02M	5.52996G	5.56998G	37.601M	5.531169G	5.568771G	Inf	4

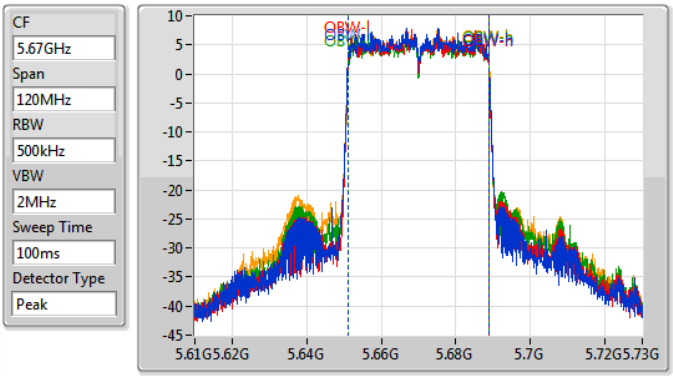
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5670MHz

11/07/2020



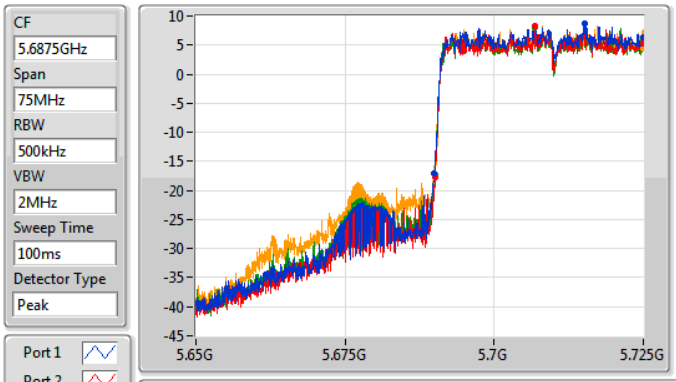


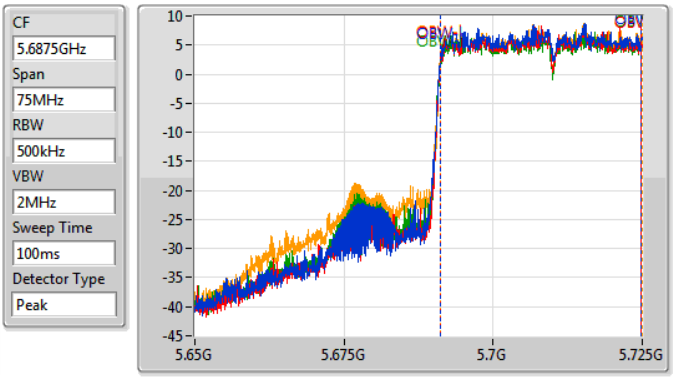
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.6499G	5.6901G	37.601M	5.651169G	5.688771G	Inf	1
39.84M	5.65008G	5.68992G	37.541M	5.651229G	5.688771G	Inf	2
40.08M	5.6499G	5.68998G	37.601M	5.651169G	5.688771G	Inf	3
40.02M	5.64996G	5.68998G	37.661M	5.651109G	5.688771G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

11/07/2020





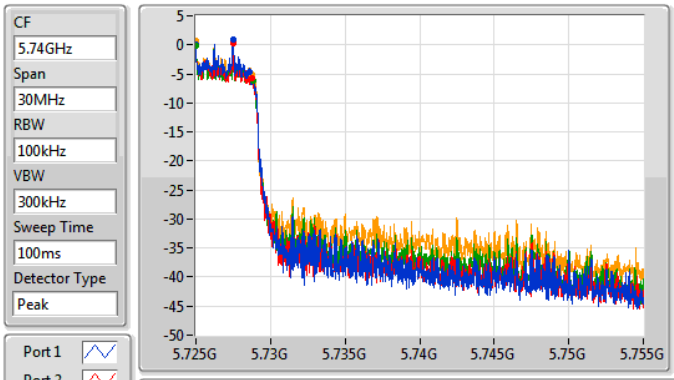
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.063M	5.689938G	5.725G	33.658M	5.691173G	5.724831G	Inf	1
34.913M	5.690088G	5.725G	33.658M	5.691136G	5.724794G	Inf	2
34.95M	5.69005G	5.725G	33.696M	5.691136G	5.724831G	Inf	3
35.1M	5.6899G	5.725G	33.808M	5.691098G	5.724906G	Inf	4

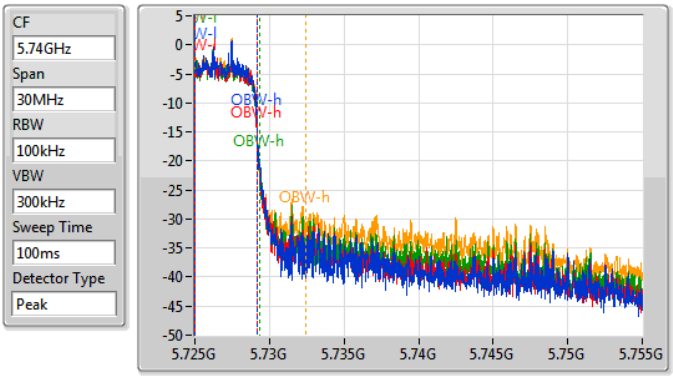
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

11/07/2020



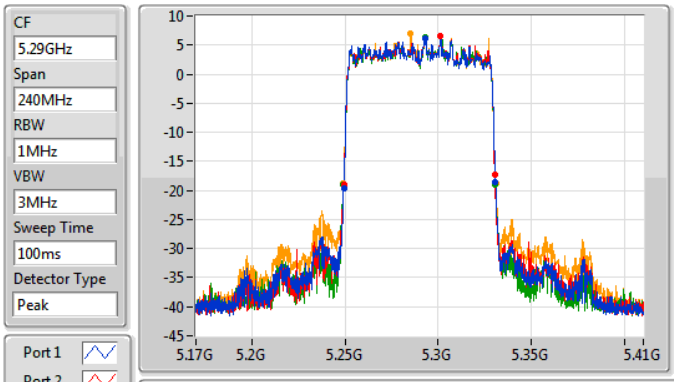


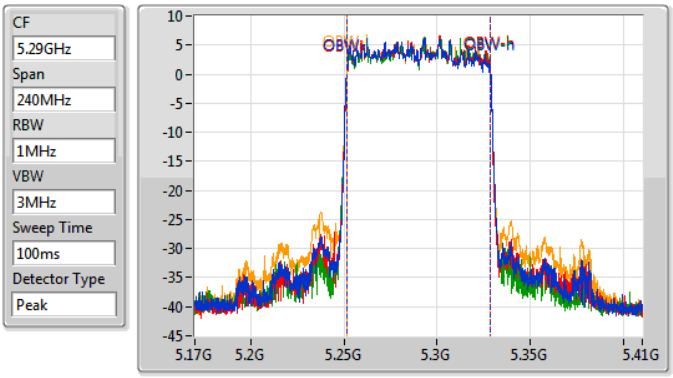
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.6M	5.725G	5.7286G	4.153M	5.725007G	5.72916G	500k	1
3.765M	5.725G	5.728765G	4.153M	5.725022G	5.729175G	500k	2
3.825M	5.725G	5.728825G	4.318M	5.725007G	5.729325G	500k	3
3.735M	5.725G	5.728735G	7.421M	5.725007G	5.732429G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5290MHz

11/07/2020





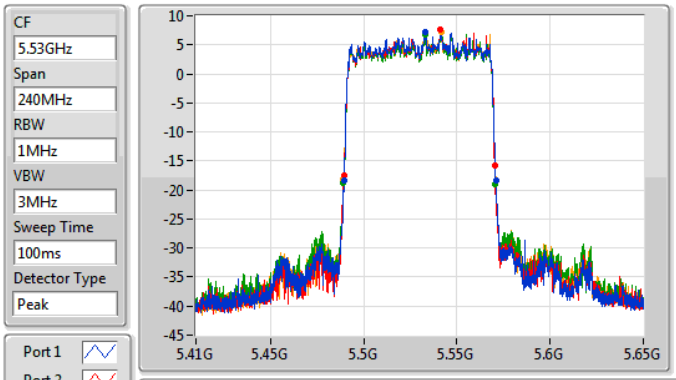
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.24932G	5.33068G	76.762M	5.251619G	5.328381G	Inf	1
81.12M	5.24932G	5.33044G	76.762M	5.251619G	5.328381G	Inf	2
81.48M	5.24908G	5.33056G	76.762M	5.251619G	5.328381G	Inf	3
81.72M	5.24908G	5.3308G	76.762M	5.251619G	5.328381G	Inf	4

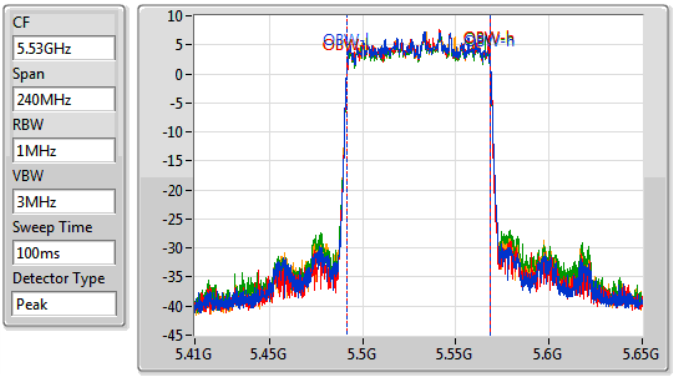
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5530MHz

11/07/2020



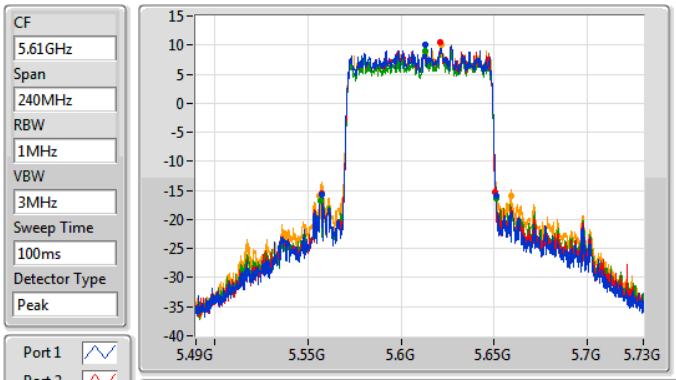


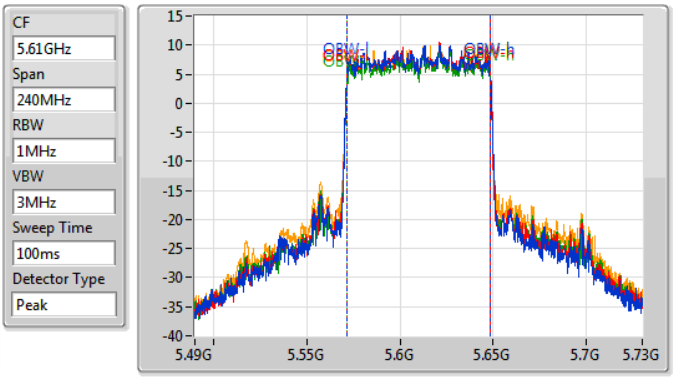
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.48944G	5.5708G	76.762M	5.491739G	5.568501G	Inf	1
81M	5.48944G	5.57044G	76.762M	5.491739G	5.568501G	Inf	2
81.48M	5.4892G	5.57068G	76.762M	5.491739G	5.568501G	Inf	3
81.6M	5.4892G	5.5708G	76.762M	5.491739G	5.568501G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5610MHz

11/07/2020





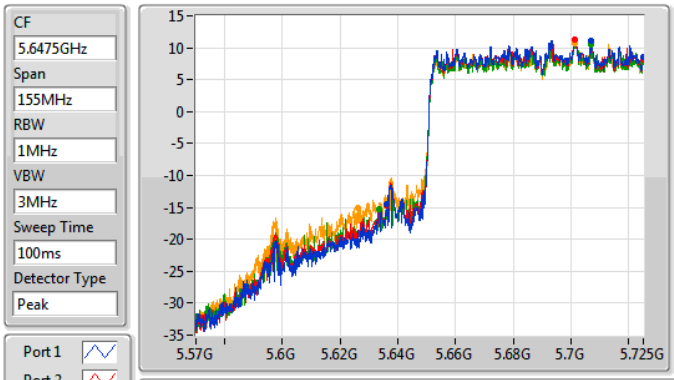
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
93.6M	5.55732G	5.65092G	77.001M	5.571499G	5.648501G	Inf	1
93.12M	5.55744G	5.65056G	77.001M	5.571619G	5.648621G	Inf	2
94.2M	5.5566G	5.6508G	77.121M	5.571499G	5.648621G	Inf	3
102.96M	5.55636G	5.65932G	77.121M	5.571499G	5.648621G	Inf	4

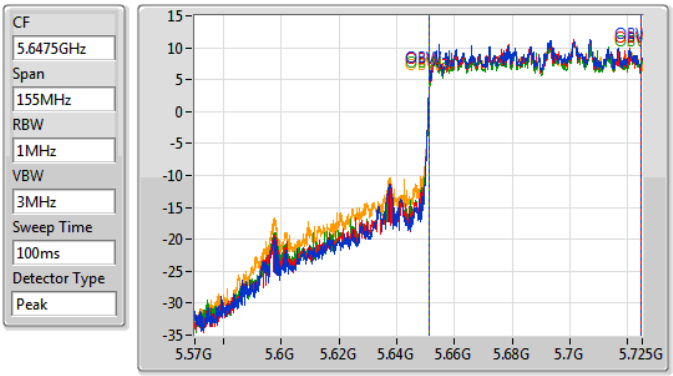
For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.47-5.725GHz

11/07/2020



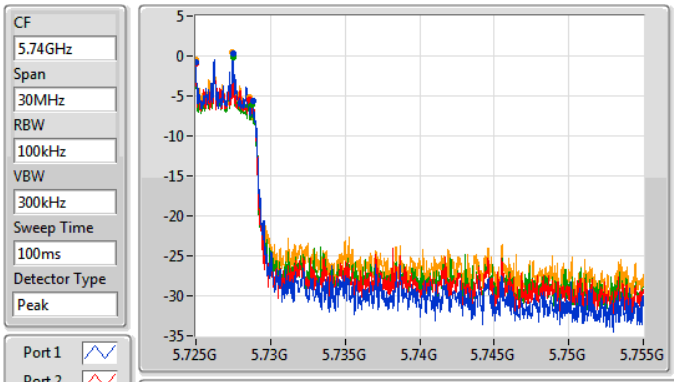


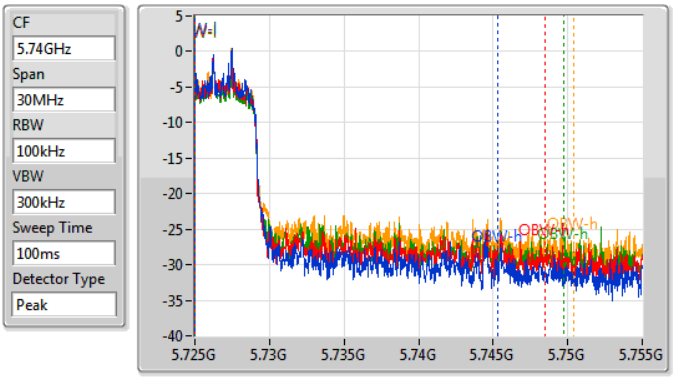
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.815M	5.636185G	5.725G	73.278M	5.651373G	5.724651G	Inf	1
88.815M	5.636185G	5.725G	73.201M	5.651373G	5.724574G	Inf	2
91.605M	5.633395G	5.725G	73.278M	5.651296G	5.724574G	Inf	3
98.735M	5.626265G	5.725G	73.433M	5.651141G	5.724574G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.725-5.85GHz

11/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.825M	5.725G	5.728825G	20.315M	5.725007G	5.745322G	500k	1
3.57M	5.725G	5.72857G	23.448M	5.725007G	5.748456G	500k	2
3.735M	5.725G	5.728735G	24.708M	5.725007G	5.749715G	500k	3
3.57M	5.725G	5.72857G	25.427M	5.725007G	5.750435G	500k	4

For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.48M	16.822M	16M8D1D	15.523M	13.346M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.6M	19.1M	19M1D1D	15.593M	14.518M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.14M	37.601M	37M6D1D	34.988M	33.621M
802.11ax HEW80_Nss1,(MCS0)_4TX	90.84M	77.121M	77M1D1D	75.64M	72.814M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.15M	4.273M	4M27D1D	3.135M	4.183M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.545M	4.753M	4M75D1D	4.425M	4.633M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.795M	4.108M	4M11D1D	3.555M	4.078M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.855M	12.474M	12M5D1D	3.75M	4.138M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	21.24M	16.732M	21.48M	16.792M	21.36M	16.762M	21.18M	16.672M
5580MHz	Pass	Inf	21.21M	16.762M	21.45M	16.822M	21.36M	16.762M	21.33M	16.672M
5700MHz	Pass	Inf	21.21M	16.732M	21.39M	16.762M	21.36M	16.762M	21.15M	16.702M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.575M	13.346M	15.663M	13.416M	15.733M	13.451M	15.523M	13.363M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	4.258M	3.135M	4.273M	3.15M	4.213M	3.15M	4.183M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	21.39M	18.981M	21.27M	19.04M	21.54M	19.04M	21.48M	19.1M
5580MHz	Pass	Inf	21.57M	19.01M	21.36M	19.04M	21.6M	19.07M	21.51M	19.1M
5700MHz	Pass	Inf	21.45M	19.01M	21.36M	19.04M	21.54M	19.07M	21.54M	19.1M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.768M	14.518M	15.593M	14.518M	15.768M	14.535M	15.733M	14.518M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.455M	4.633M	4.455M	4.678M	4.425M	4.693M	4.545M	4.753M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	40.02M	37.541M	39.78M	37.481M	39.96M	37.541M	39.96M	37.481M
5550MHz	Pass	Inf	40.14M	37.541M	39.78M	37.481M	40.02M	37.541M	40.02M	37.481M
5670MHz	Pass	Inf	40.14M	37.541M	39.96M	37.541M	39.9M	37.601M	40.08M	37.541M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.063M	33.621M	34.988M	33.658M	35.1M	33.696M	35.1M	33.733M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.108M	3.63M	4.078M	3.795M	4.093M	3.555M	4.078M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	81.36M	76.522M	81.12M	76.642M	81.36M	76.642M	81.36M	76.642M
5610MHz	Pass	Inf	81.6M	77.001M	90.84M	77.121M	81.72M	76.882M	81.96M	76.882M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.64M	73.046M	75.64M	73.046M	75.718M	72.814M	75.795M	72.891M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.795M	4.348M	3.75M	12.474M	3.855M	4.153M	3.75M	4.138M

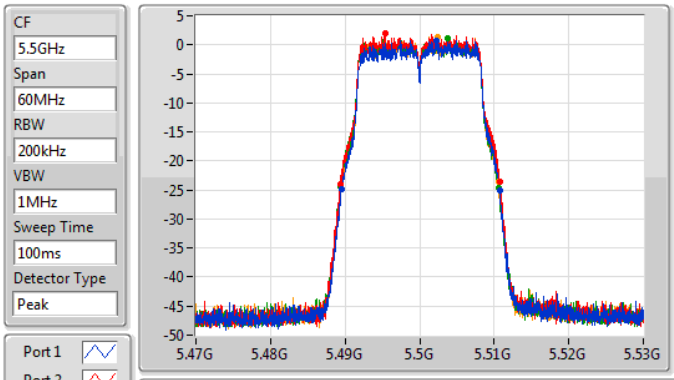
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

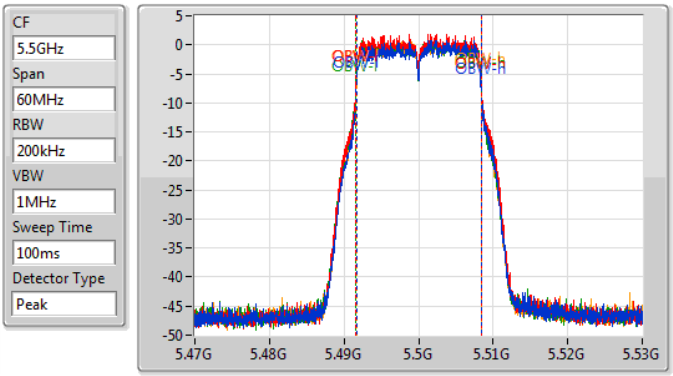
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5500MHz

17/07/2020



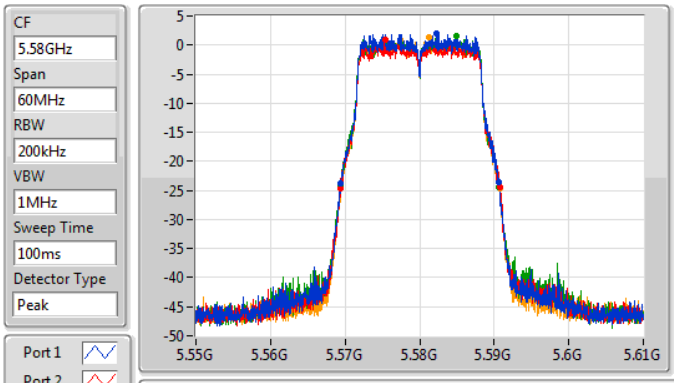


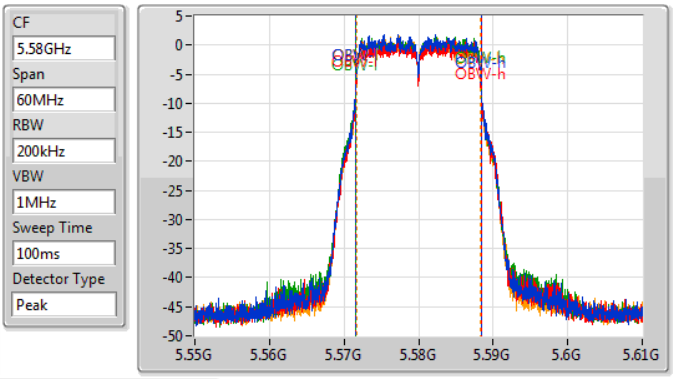
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.4895G	5.51074G	16.732M	5.491694G	5.508426G	Inf	1
21.48M	5.48932G	5.5108G	16.792M	5.491634G	5.508426G	Inf	2
21.36M	5.48932G	5.51068G	16.762M	5.491604G	5.508366G	Inf	3
21.18M	5.48947G	5.51065G	16.672M	5.491694G	5.508366G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5580MHz

17/07/2020





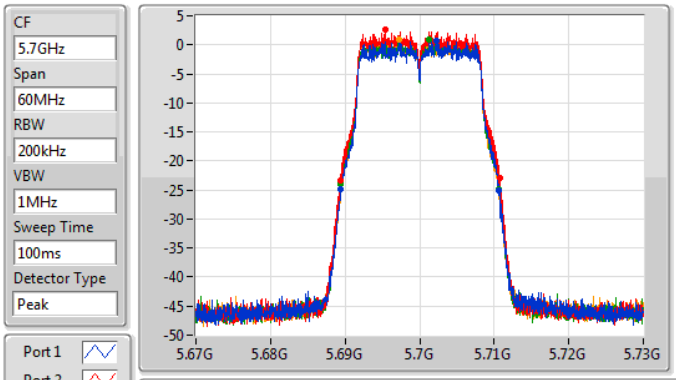
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.56941G	5.59062G	16.762M	5.571634G	5.588396G	Inf	1
21.45M	5.56935G	5.5908G	16.822M	5.571604G	5.588426G	Inf	2
21.36M	5.56932G	5.59068G	16.762M	5.571604G	5.588366G	Inf	3
21.33M	5.56947G	5.5908G	16.672M	5.571664G	5.588336G	Inf	4

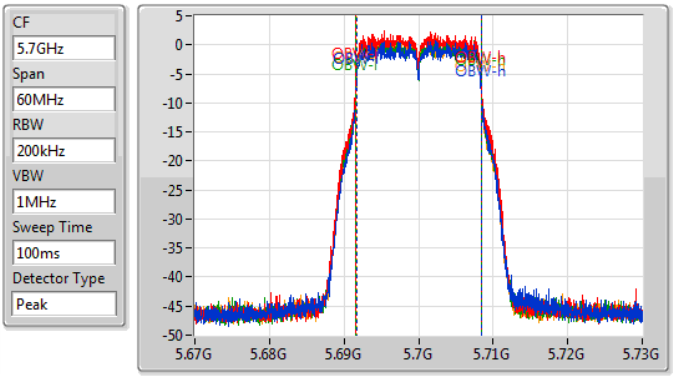
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5700MHz

17/07/2020



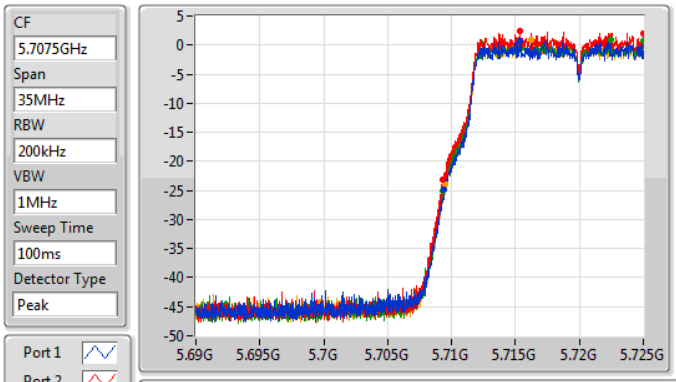


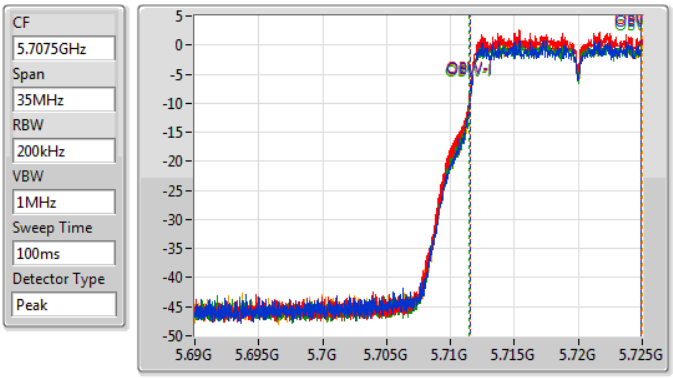
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.68947G	5.71068G	16.732M	5.691664G	5.708396G	Inf	1
21.39M	5.68932G	5.71071G	16.762M	5.691634G	5.708396G	Inf	2
21.36M	5.68932G	5.71068G	16.762M	5.691604G	5.708366G	Inf	3
21.15M	5.68947G	5.71062G	16.702M	5.691664G	5.708366G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

17/07/2020





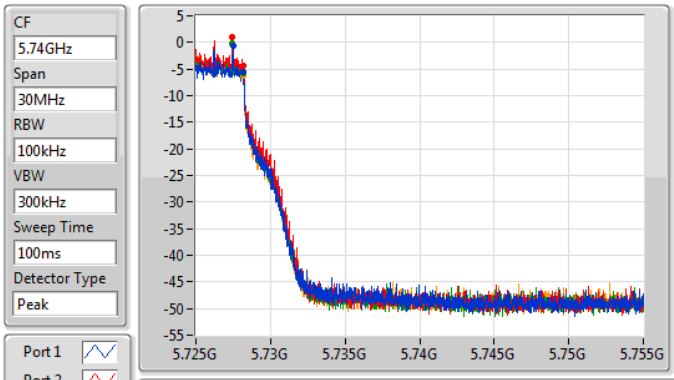
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.575M	5.709425G	5.725G	13.346M	5.711575G	5.724921G	Inf	1
15.663M	5.709338G	5.725G	13.416M	5.711523G	5.724939G	Inf	2
15.733M	5.709268G	5.725G	13.451M	5.711488G	5.724939G	Inf	3
15.523M	5.709478G	5.725G	13.363M	5.711593G	5.724956G	Inf	4

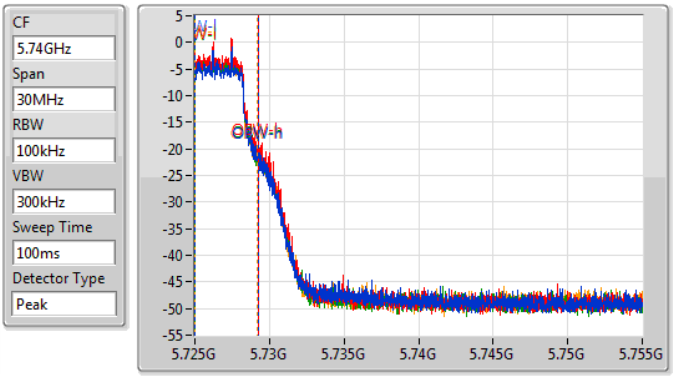
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

17/07/2020



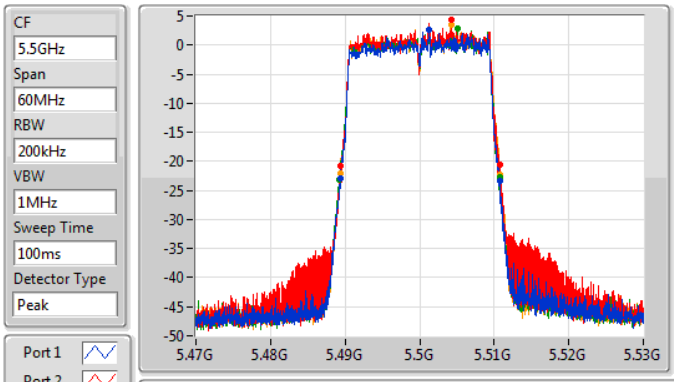


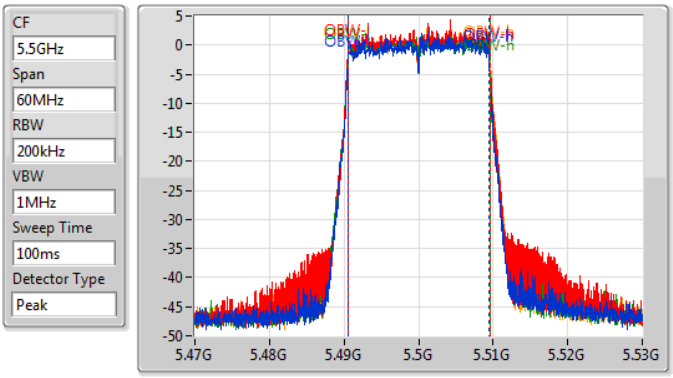
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.135M	5.725G	5.728135G	4.258M	5.725007G	5.729265G	500k	1
3.135M	5.725G	5.728135G	4.273M	5.725022G	5.729295G	500k	2
3.15M	5.725G	5.72815G	4.213M	5.725007G	5.72922G	500k	3
3.15M	5.725G	5.72815G	4.183M	5.725007G	5.72919G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5500MHz

17/07/2020





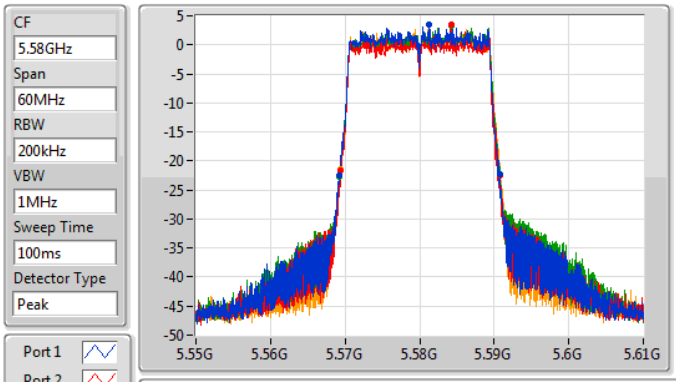
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.48932G	5.51071G	18.981M	5.490495G	5.509475G	Inf	1
21.27M	5.48944G	5.51071G	19.04M	5.490495G	5.509535G	Inf	2
21.54M	5.48923G	5.51077G	19.04M	5.490495G	5.509535G	Inf	3
21.48M	5.48938G	5.51086G	19.1M	5.490495G	5.509595G	Inf	4

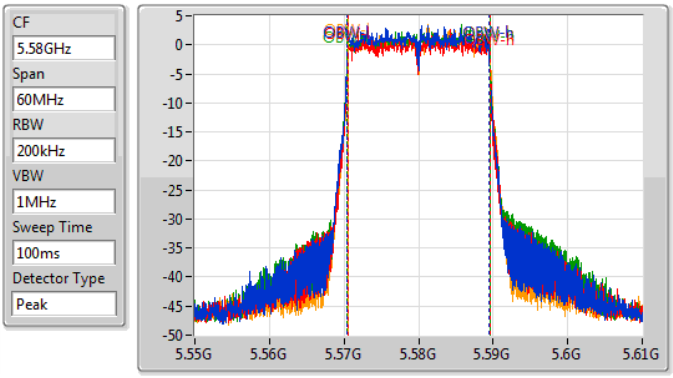
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5580MHz

17/07/2020



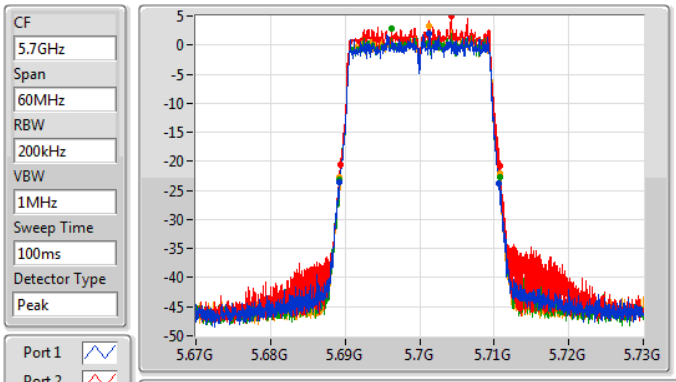


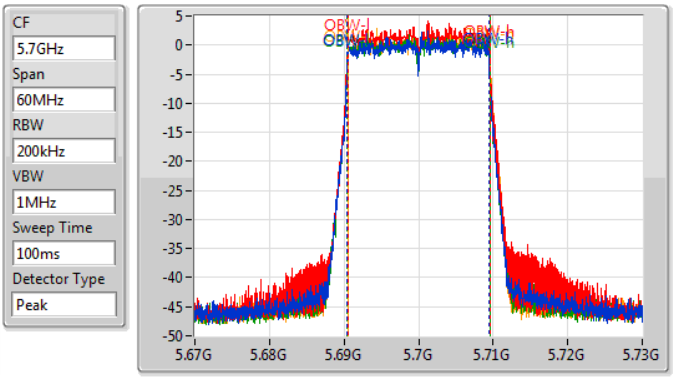
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.56917G	5.59074G	19.01M	5.570465G	5.589475G	Inf	1
21.36M	5.56944G	5.5908G	19.04M	5.570495G	5.589535G	Inf	2
21.6M	5.5692G	5.5908G	19.07M	5.570465G	5.589535G	Inf	3
21.51M	5.56935G	5.59086G	19.1M	5.570495G	5.589595G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5700MHz

17/07/2020





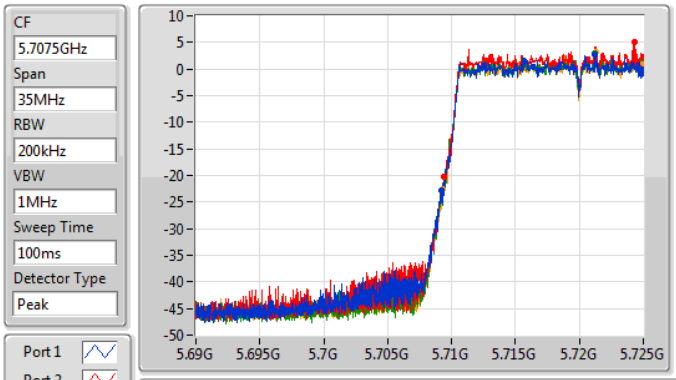
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.68923G	5.71068G	19.01M	5.690465G	5.709475G	Inf	1
21.36M	5.68938G	5.71074G	19.04M	5.690495G	5.709535G	Inf	2
21.54M	5.68923G	5.71077G	19.07M	5.690465G	5.709535G	Inf	3
21.54M	5.68929G	5.71083G	19.1M	5.690495G	5.709595G	Inf	4

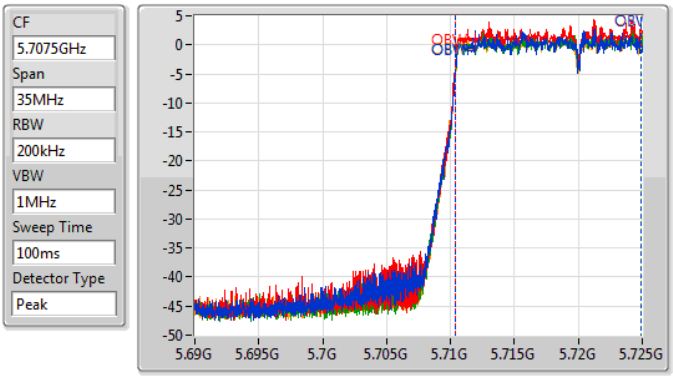
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

17/07/2020



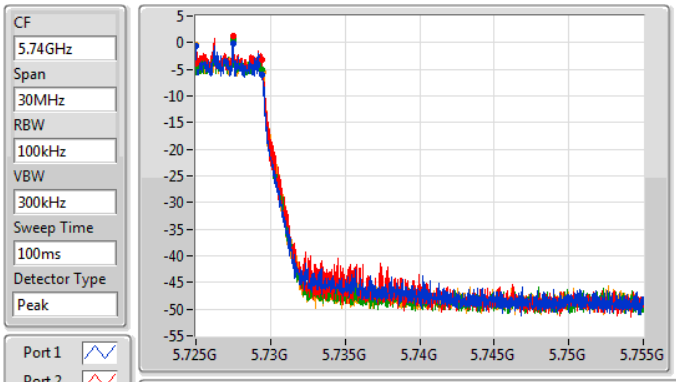


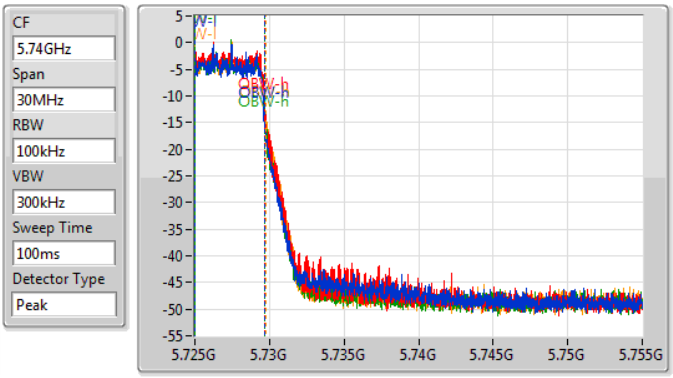
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.768M	5.709233G	5.725G	14.518M	5.710404G	5.724921G	Inf	1
15.593M	5.709408G	5.725G	14.518M	5.710421G	5.724939G	Inf	2
15.768M	5.709233G	5.725G	14.535M	5.710404G	5.724939G	Inf	3
15.733M	5.709268G	5.725G	14.518M	5.710421G	5.724939G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

17/07/2020





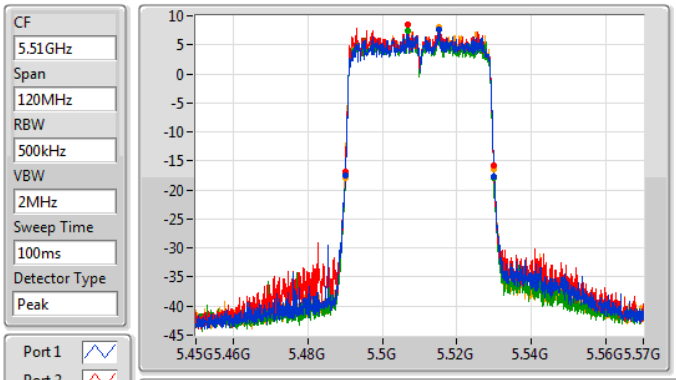
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.455M	5.725G	5.729455G	4.633M	5.725007G	5.72964G	500k	1
4.455M	5.725G	5.729455G	4.678M	5.725022G	5.7297G	500k	2
4.425M	5.725G	5.729425G	4.693M	5.725007G	5.7297G	500k	3
4.545M	5.725G	5.729545G	4.753M	5.725022G	5.729775G	500k	4

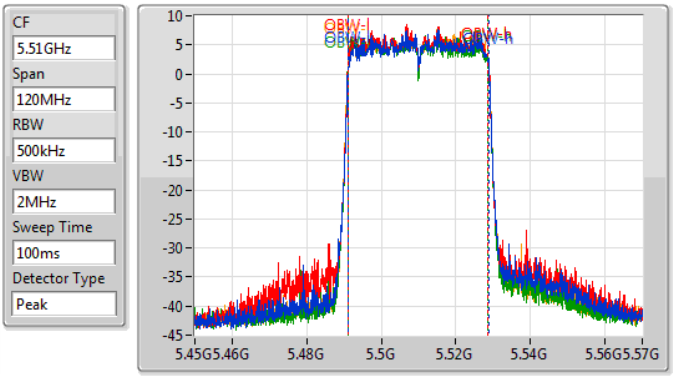
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5510MHz

17/07/2020



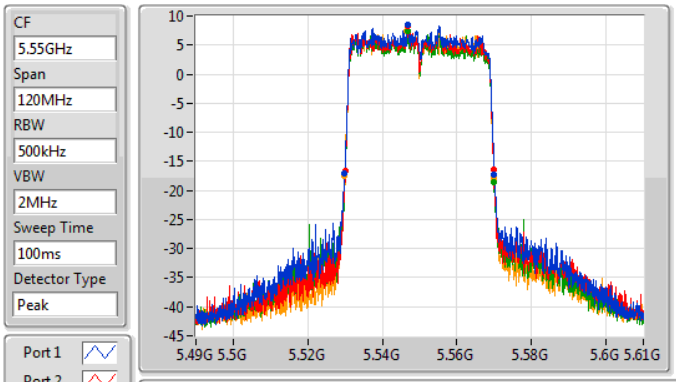


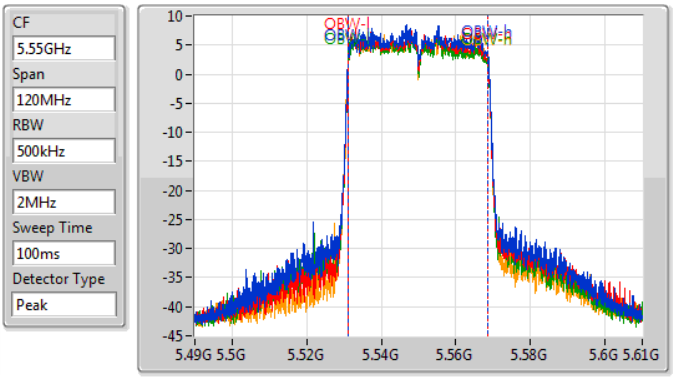
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.49002G	5.53004G	37.541M	5.491229G	5.528771G	Inf	1
39.78M	5.49008G	5.52986G	37.481M	5.491229G	5.528711G	Inf	2
39.96M	5.49002G	5.52998G	37.541M	5.491169G	5.528711G	Inf	3
39.96M	5.48996G	5.52992G	37.481M	5.491229G	5.528711G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5550MHz

17/07/2020





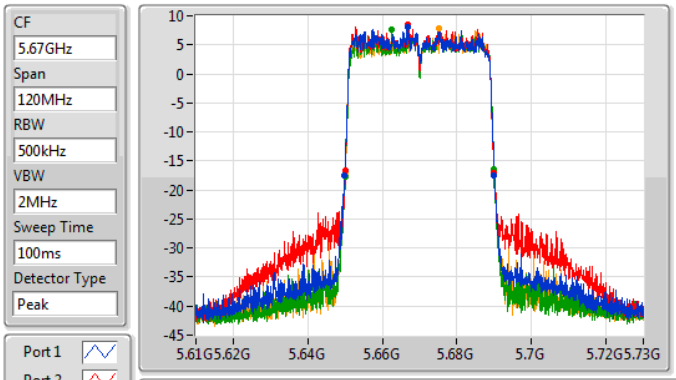
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.5299G	5.57004G	37.541M	5.531169G	5.568711G	Inf	1
39.78M	5.53008G	5.56986G	37.481M	5.531169G	5.568651G	Inf	2
40.02M	5.52996G	5.56998G	37.541M	5.531169G	5.568711G	Inf	3
40.02M	5.5299G	5.56992G	37.481M	5.531169G	5.568651G	Inf	4

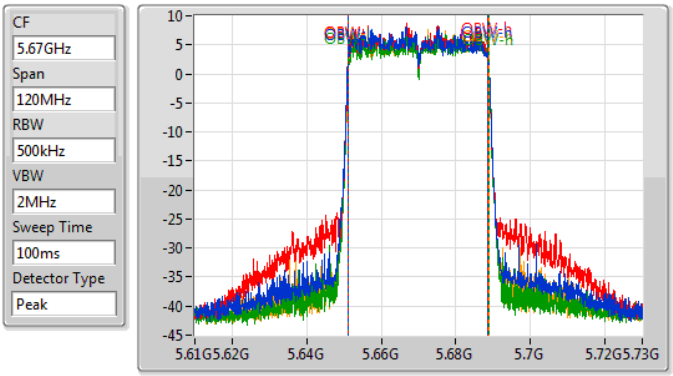
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5670MHz

17/07/2020



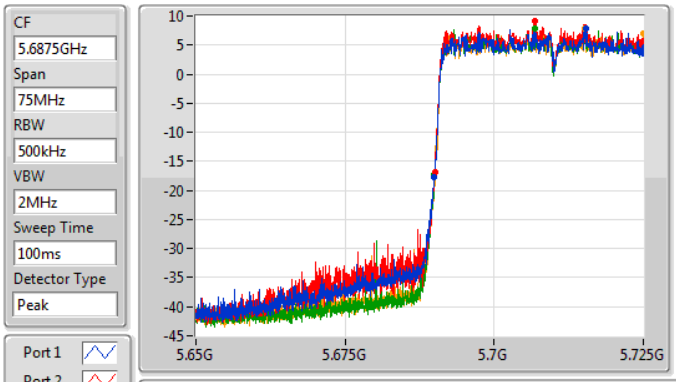


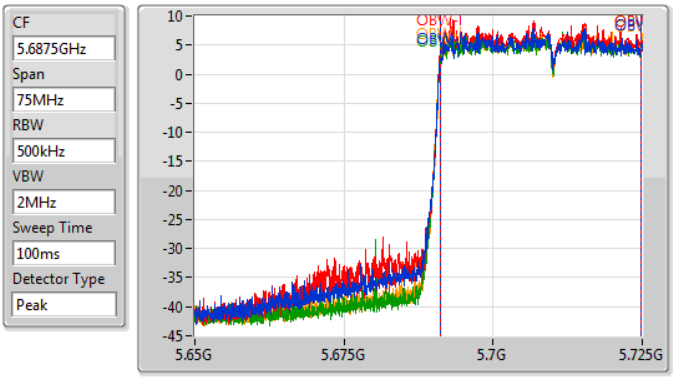
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.6499G	5.69004G	37.541M	5.651169G	5.688711G	Inf	1
39.96M	5.65008G	5.69004G	37.541M	5.651169G	5.688711G	Inf	2
39.9M	5.65008G	5.68998G	37.601M	5.651229G	5.688831G	Inf	3
40.08M	5.64996G	5.69004G	37.541M	5.651229G	5.688771G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

17/07/2020





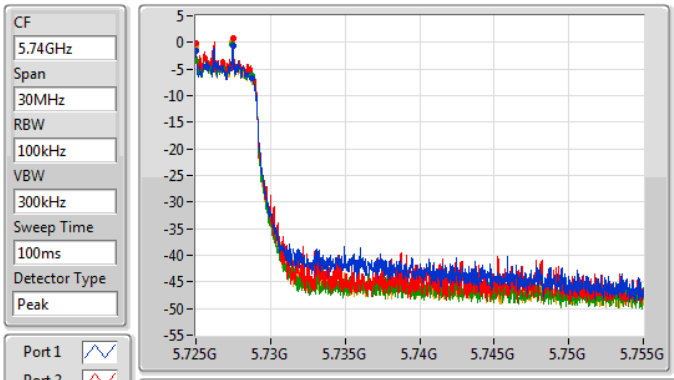
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.063M	5.689938G	5.725G	33.621M	5.691173G	5.724794G	Inf	1
34.988M	5.690013G	5.725G	33.658M	5.691136G	5.724794G	Inf	2
35.1M	5.6899G	5.725G	33.696M	5.691136G	5.724831G	Inf	3
35.1M	5.6899G	5.725G	33.733M	5.691136G	5.724869G	Inf	4

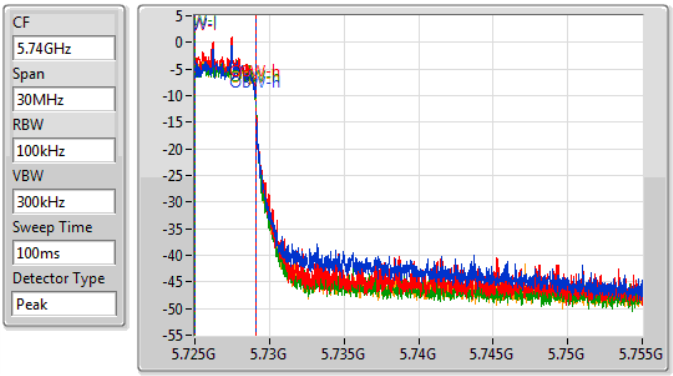
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

17/07/2020



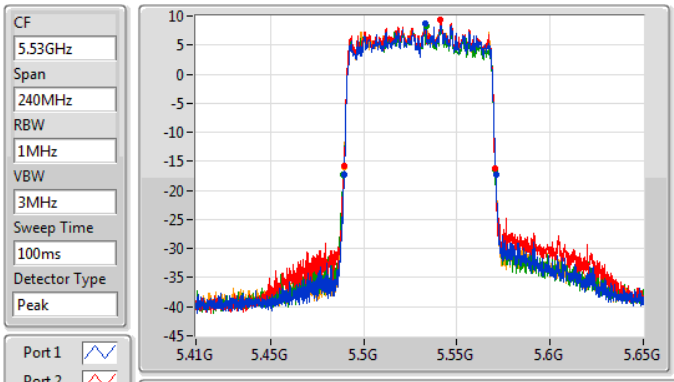


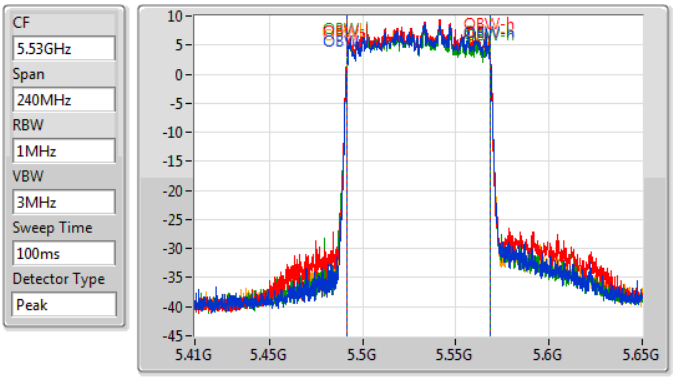
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.78M	5.725G	5.72878G	4.108M	5.725007G	5.729115G	500k	1
3.63M	5.725G	5.72863G	4.078M	5.725007G	5.729085G	500k	2
3.795M	5.725G	5.728795G	4.093M	5.725007G	5.7291G	500k	3
3.555M	5.725G	5.728555G	4.078M	5.725022G	5.7291G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5530MHz

17/07/2020





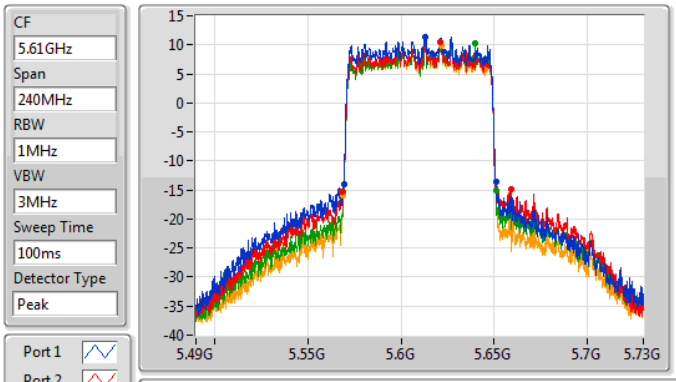
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.48944G	5.5708G	76.522M	5.491859G	5.568381G	Inf	1
81.12M	5.48944G	5.57056G	76.642M	5.491739G	5.568381G	Inf	2
81.36M	5.48908G	5.57044G	76.642M	5.491619G	5.568261G	Inf	3
81.36M	5.48932G	5.57068G	76.642M	5.491739G	5.568381G	Inf	4

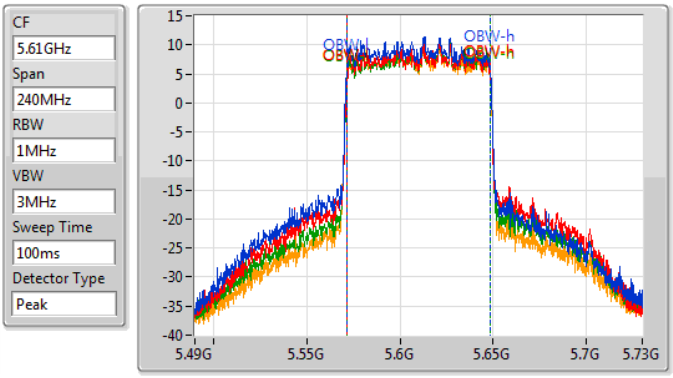
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5610MHz

17/07/2020



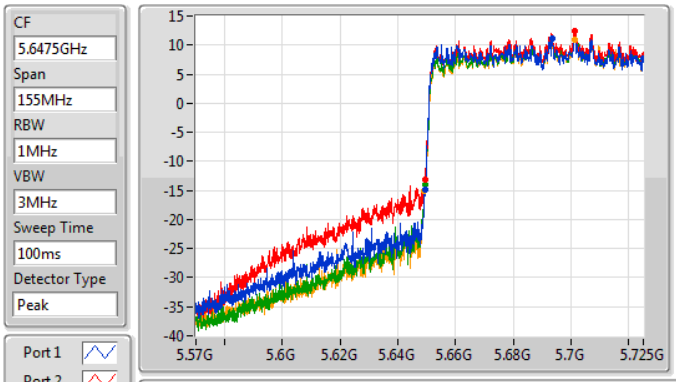


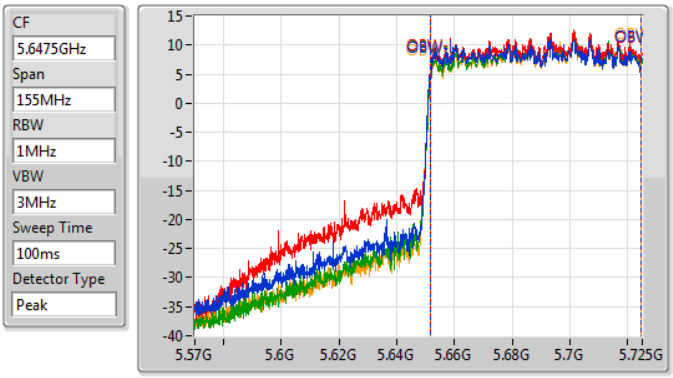
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.56932G	5.65092G	77.001M	5.571499G	5.648501G	Inf	1
90.84M	5.56848G	5.65932G	77.121M	5.571499G	5.648621G	Inf	2
81.72M	5.56908G	5.6508G	76.882M	5.571739G	5.648621G	Inf	3
81.96M	5.56896G	5.65092G	76.882M	5.571619G	5.648501G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.47-5.725GHz

17/07/2020





26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.64M	5.64936G	5.725G	73.046M	5.651528G	5.724574G	Inf	1
75.64M	5.64936G	5.725G	73.046M	5.651528G	5.724574G	Inf	2
75.718M	5.649283G	5.725G	72.814M	5.65176G	5.724574G	Inf	3
75.795M	5.649205G	5.725G	72.891M	5.65176G	5.724651G	Inf	4

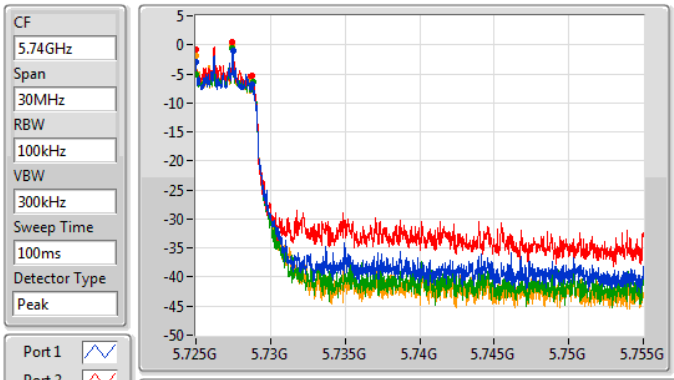
For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

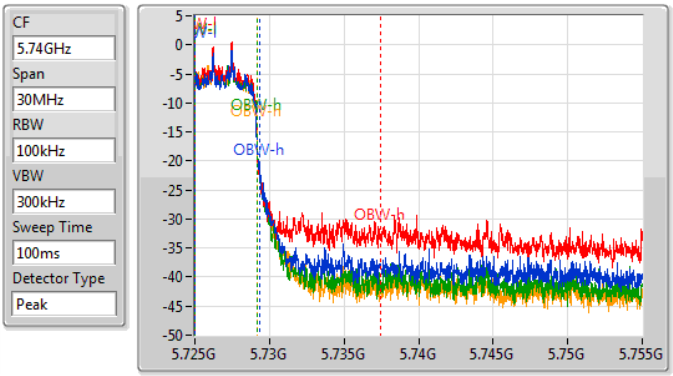
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

17/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.795M	5.725G	5.728795G	4.348M	5.725007G	5.729355G	500k	1
3.75M	5.725G	5.72875G	12.474M	5.725007G	5.737481G	500k	2
3.855M	5.725G	5.728855G	4.153M	5.725007G	5.72916G	500k	3
3.75M	5.725G	5.72875G	4.138M	5.725007G	5.729145G	500k	4

For EUT 1 / Radio 3_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	27.09M	17.031M	17M0D1D	21.21M	16.762M
802.11ax HEW20_Nss1,(MCS0)_2TX	31.65M	19.28M	19M3D1D	21.42M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	68.22M	37.841M	37M8D1D	39.96M	37.601M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.48M	76.762M	76M8D1D	81M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.96M	16.822M	16M8D1D	15.82M	13.416M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.89M	19.13M	19M1D1D	16.17M	14.553M
802.11ax HEW40_Nss1,(MCS0)_2TX	61.02M	37.841M	37M8D1D	39.9M	33.771M
802.11ax HEW80_Nss1,(MCS0)_2TX	112.92M	77.481M	77M5D1D	81.12M	73.201M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.18M	5.037M	5M04D1D	3.165M	4.918M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.485M	5.472M	5M47D1D	4.455M	5.217M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.78M	19.925M	19M9D1D	3.765M	19.895M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.6M	24.153M	24M2D1D	3.585M	23.868M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

For EUT 1 / Radio 3_Non-Beamforming Mode
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.3M	16.762M	24.33M	16.912M
5300MHz	Pass	Inf	21.21M	16.762M	27M	16.912M
5320MHz	Pass	Inf	21.21M	16.762M	27.09M	17.031M
5500MHz	Pass	Inf	21.24M	16.762M	21.69M	16.732M
5580MHz	Pass	Inf	21.39M	16.822M	21.96M	16.792M
5700MHz	Pass	Inf	21.09M	16.762M	21.36M	16.672M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.82M	13.416M	15.925M	13.451M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.165M	5.037M	3.18M	4.918M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	22.2M	19.07M	26.19M	19.19M
5300MHz	Pass	Inf	22.71M	19.04M	31.65M	19.28M
5320MHz	Pass	Inf	21.42M	19.04M	28.08M	19.19M
5500MHz	Pass	Inf	21.42M	19.04M	21.42M	19.1M
5580MHz	Pass	Inf	21.27M	19.04M	22.89M	19.13M
5700MHz	Pass	Inf	21.42M	19.01M	21.51M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.17M	14.57M	16.258M	14.553M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.485M	5.472M	4.455M	5.217M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	49.5M	37.661M	68.22M	37.841M
5310MHz	Pass	Inf	40.02M	37.601M	39.96M	37.601M
5510MHz	Pass	Inf	40.14M	37.601M	39.9M	37.541M
5550MHz	Pass	Inf	40.26M	37.661M	61.02M	37.841M
5670MHz	Pass	Inf	40.32M	37.661M	39.96M	37.661M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	48.938M	33.771M	52.725M	33.808M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	19.925M	3.765M	19.895M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.48M	76.762M	81M	76.762M
5530MHz	Pass	Inf	81.48M	76.762M	81.12M	76.882M
5610MHz	Pass	Inf	89.76M	77.121M	112.92M	77.481M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	88.118M	73.201M	96.178M	73.278M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.6M	24.153M	3.585M	23.868M

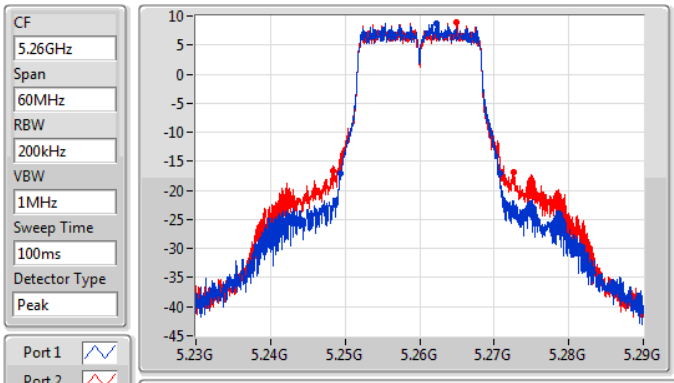
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

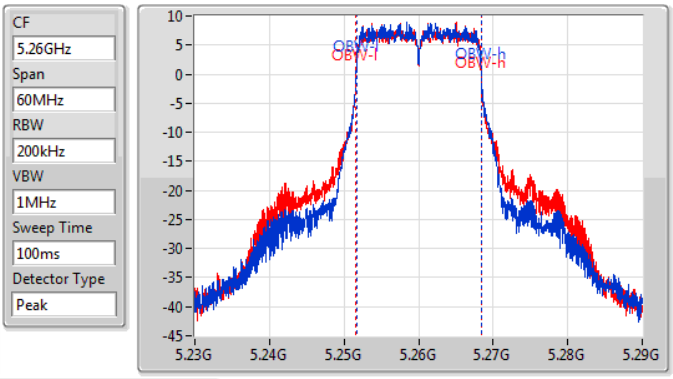
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5260MHz

13/07/2020



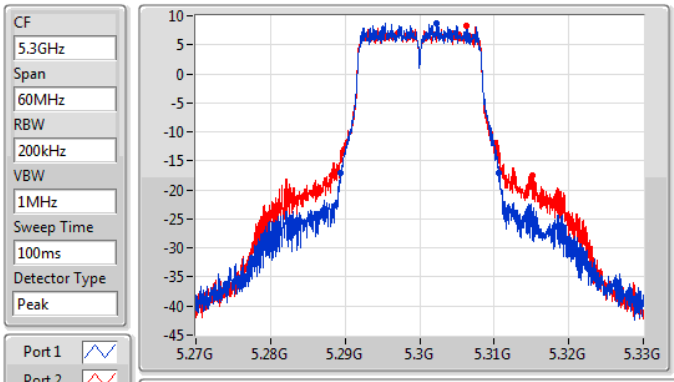


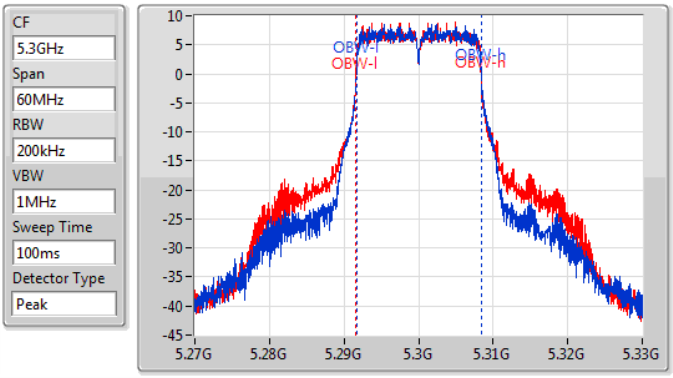
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.24941G	5.27071G	16.762M	5.251664G	5.268426G	Inf	1
24.33M	5.24836G	5.27269G	16.912M	5.251574G	5.268486G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5300MHz

13/07/2020





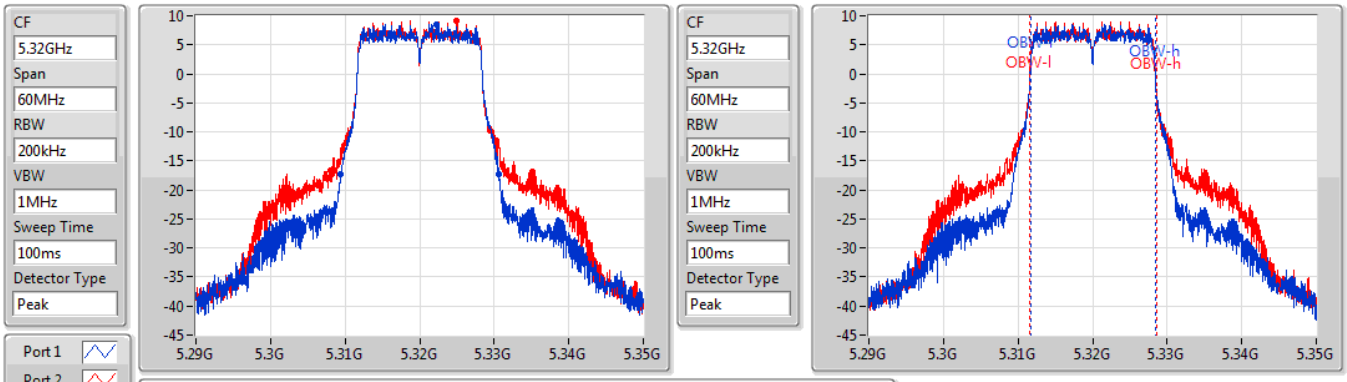
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.28947G	5.31068G	16.762M	5.291664G	5.308426G	Inf	1
27M	5.28815G	5.31515G	16.912M	5.291544G	5.308456G	Inf	2

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5320MHz

13/07/2020

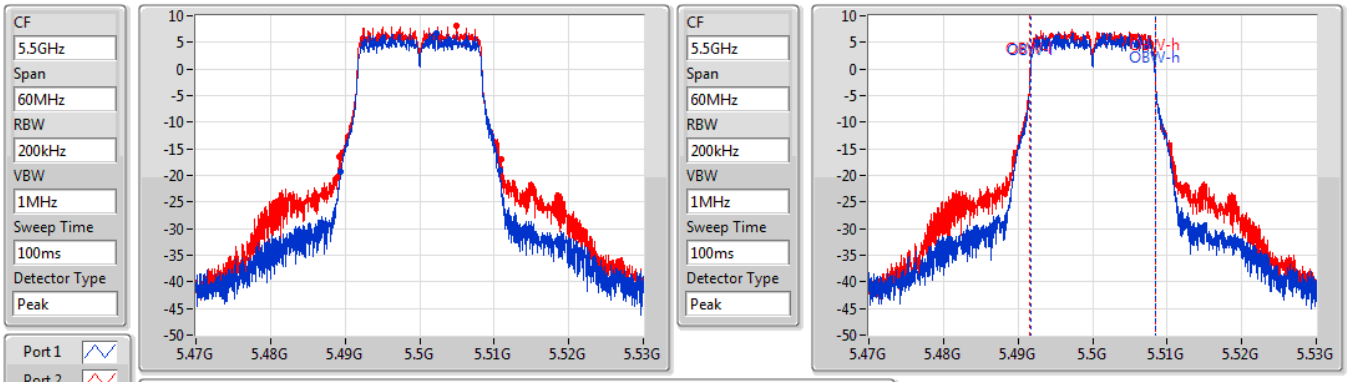


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.30944G	5.33065G	16.762M	5.311664G	5.328426G	Inf	1
27.09M	5.30809G	5.33518G	17.031M	5.311514G	5.328546G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5500MHz

13/07/2020



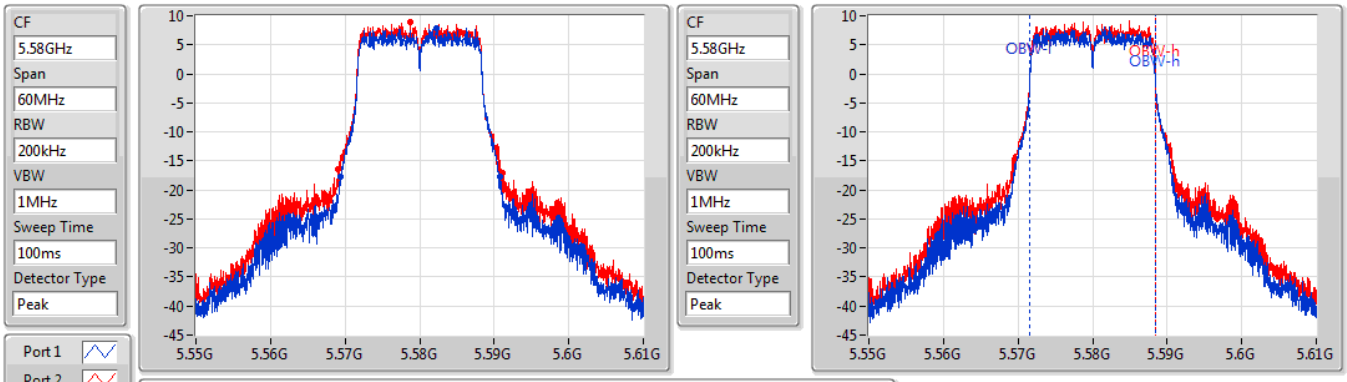
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.48947G	5.51071G	16.762M	5.491664G	5.508426G	Inf	1
21.69M	5.4892G	5.51089G	16.732M	5.491634G	5.508366G	Inf	2

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5580MHz

13/07/2020

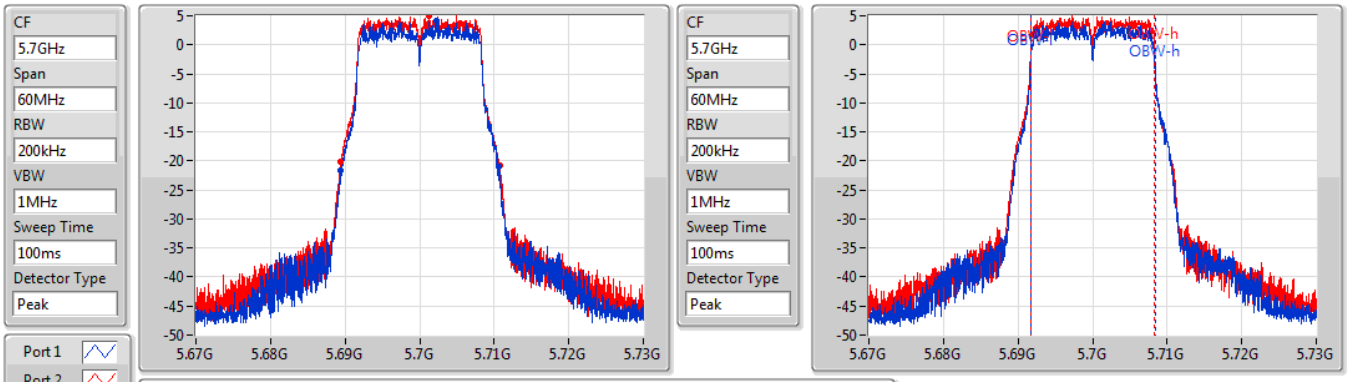


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.56938G	5.59077G	16.822M	5.571634G	5.588456G	Inf	1
21.96M	5.56908G	5.59104G	16.792M	5.571604G	5.588396G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5700MHz

13/07/2020



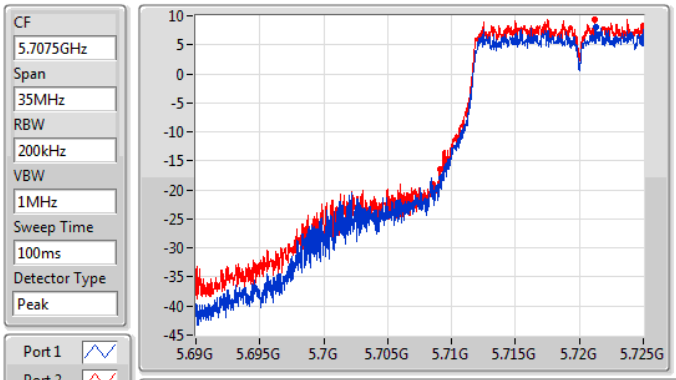
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.09M	5.68947G	5.71056G	16.762M	5.691664G	5.708426G	Inf	1
21.36M	5.68935G	5.71071G	16.672M	5.691664G	5.708336G	Inf	2

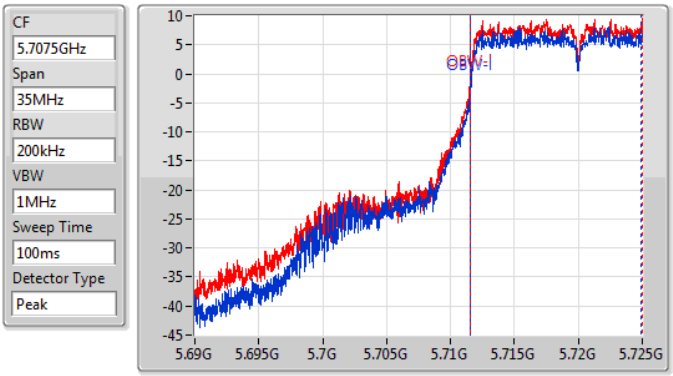
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

13/07/2020



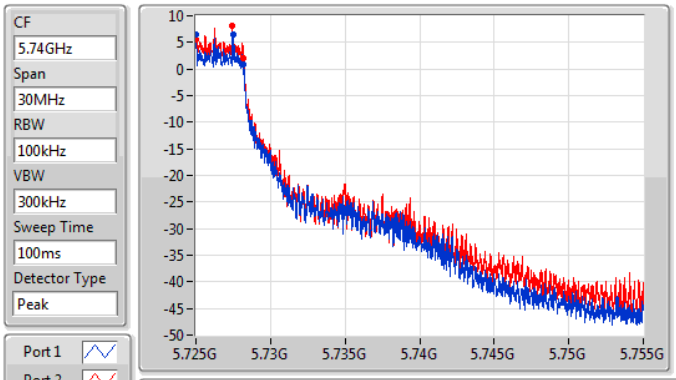


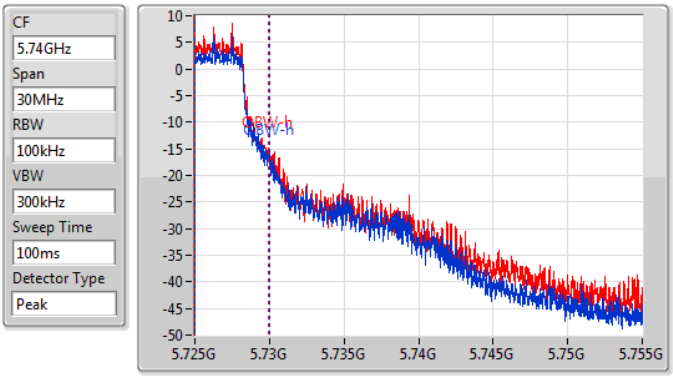
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.82M	5.70918G	5.725G	13.416M	5.711523G	5.724939G	Inf	1
15.925M	5.709075G	5.725G	13.451M	5.711505G	5.724956G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

13/07/2020





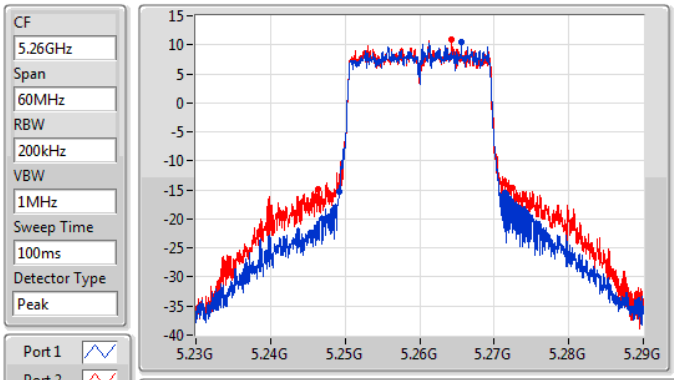
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.165M	5.725G	5.728165G	5.037M	5.725007G	5.730045G	500k	1
3.18M	5.725G	5.72818G	4.918M	5.725007G	5.729925G	500k	2

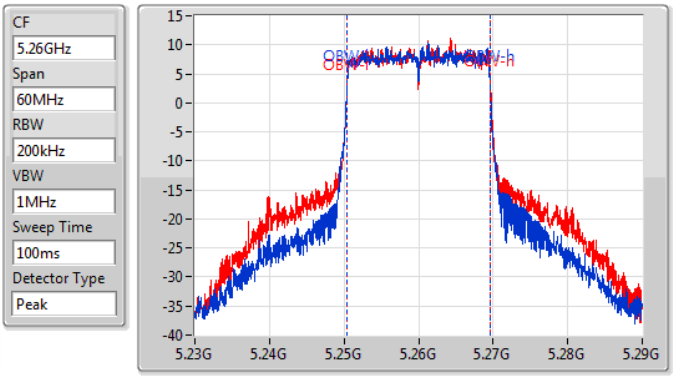
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5260MHz

13/07/2020



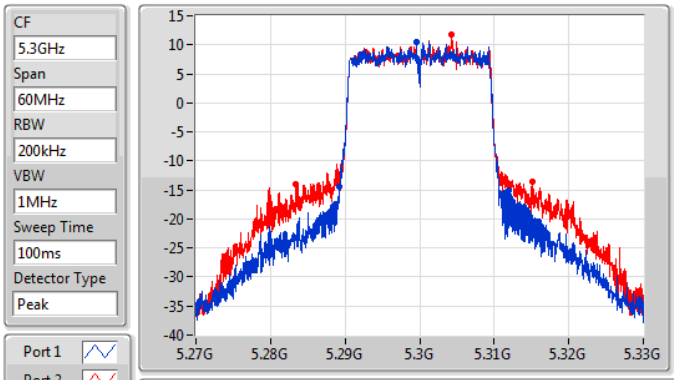


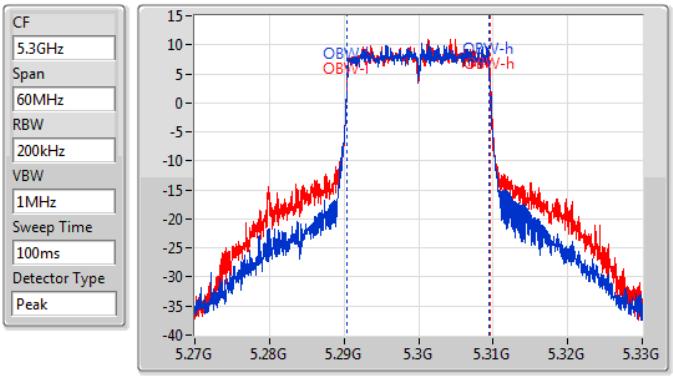
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.2M	5.24923G	5.27143G	19.07M	5.250465G	5.269535G	Inf	1
26.19M	5.24632G	5.27251G	19.19M	5.250435G	5.269625G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5300MHz

13/07/2020





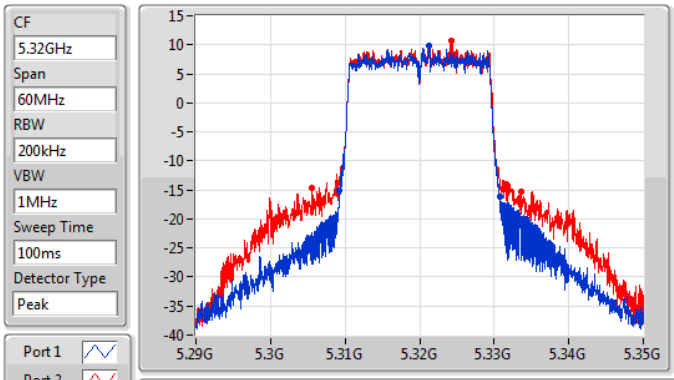
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.71M	5.28926G	5.31197G	19.04M	5.290465G	5.309505G	Inf	1
31.65M	5.28341G	5.31506G	19.28M	5.290375G	5.309655G	Inf	2

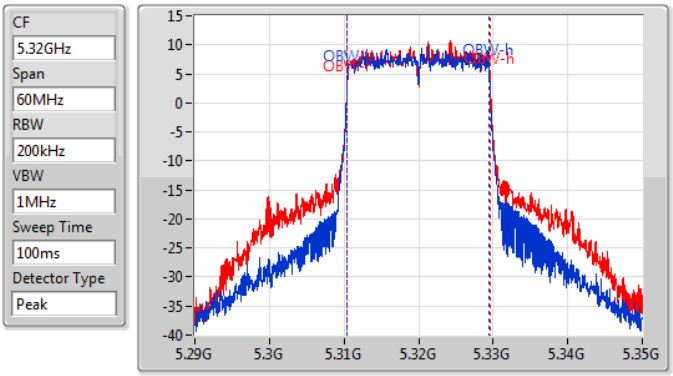
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5320MHz

13/07/2020



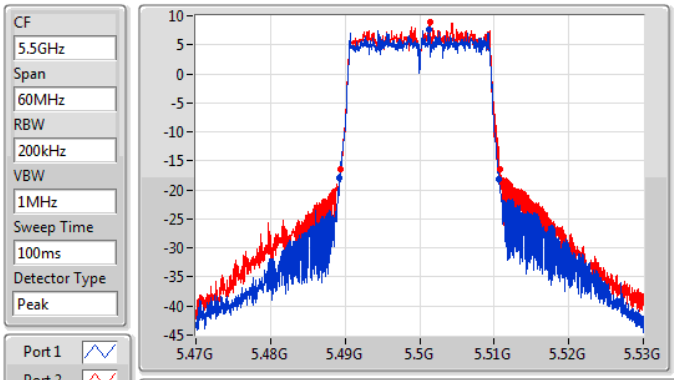


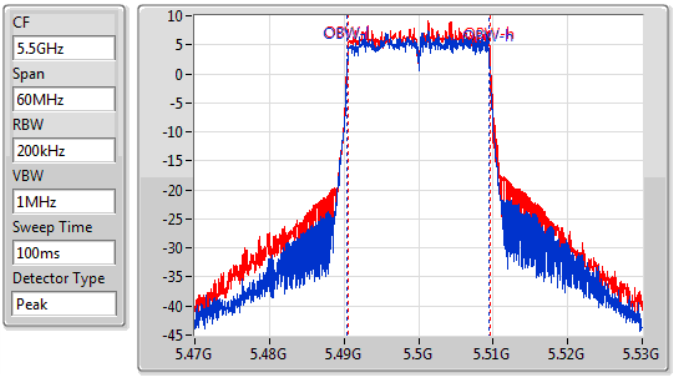
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.30929G	5.33071G	19.04M	5.310465G	5.329505G	Inf	1
28.08M	5.30554G	5.33362G	19.19M	5.310435G	5.329625G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5500MHz

13/07/2020





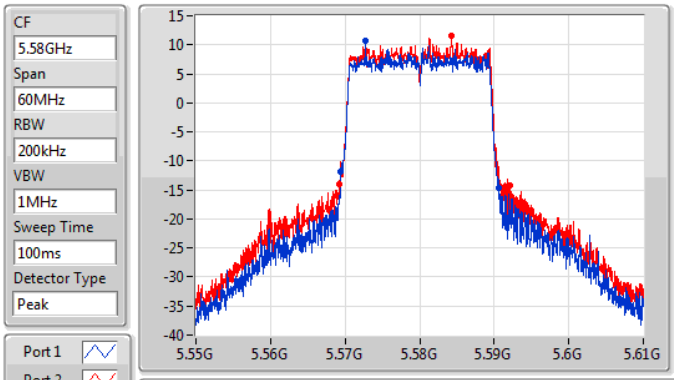
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.48926G	5.51068G	19.04M	5.490465G	5.509505G	Inf	1
21.42M	5.48938G	5.5108G	19.1M	5.490495G	5.509595G	Inf	2

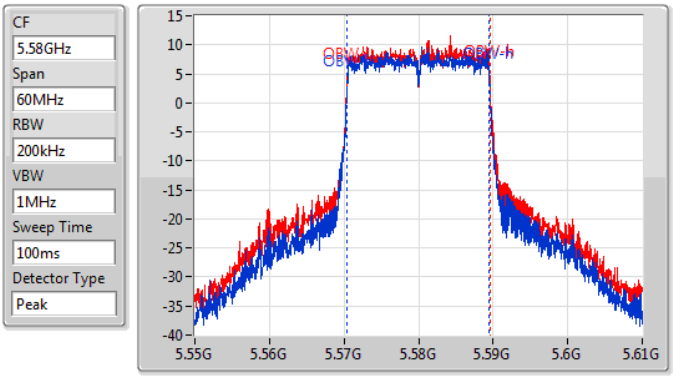
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5580MHz

13/07/2020



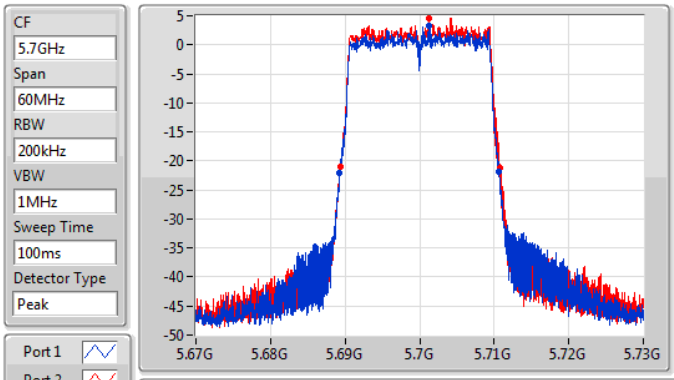


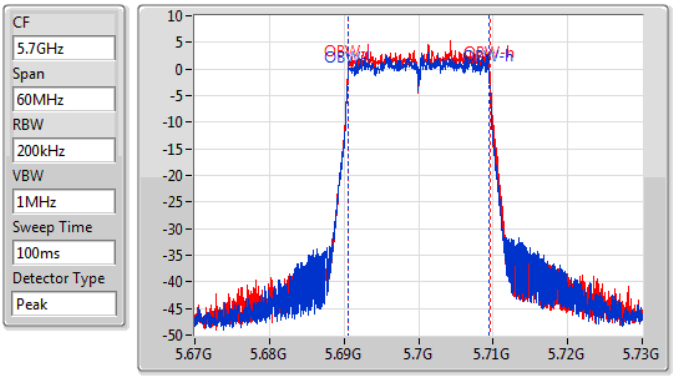
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.56941G	5.59068G	19.04M	5.570465G	5.589505G	Inf	1
22.89M	5.5692G	5.59209G	19.13M	5.570465G	5.589595G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5700MHz

13/07/2020





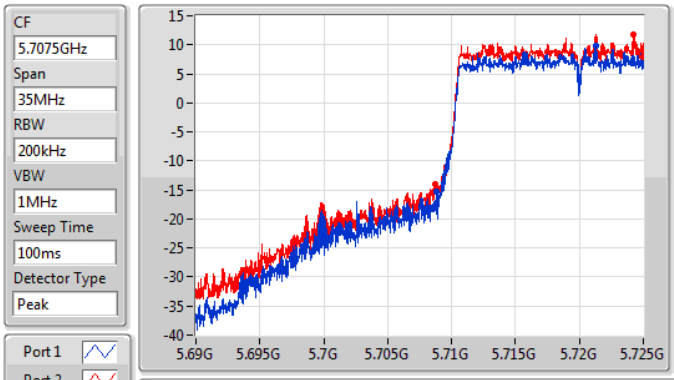
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.68926G	5.71068G	19.01M	5.690495G	5.709505G	Inf	1
21.51M	5.68935G	5.71086G	19.04M	5.690495G	5.709535G	Inf	2

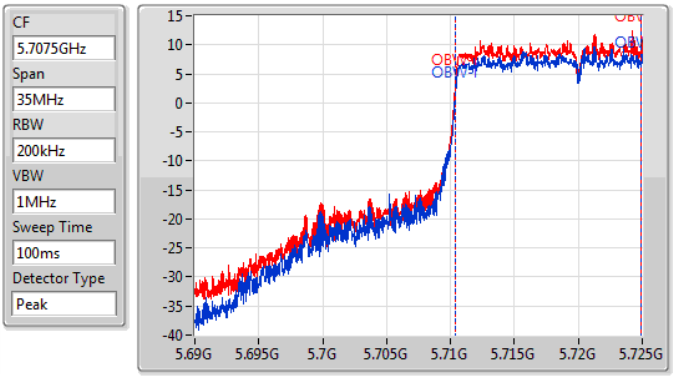
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

13/07/2020



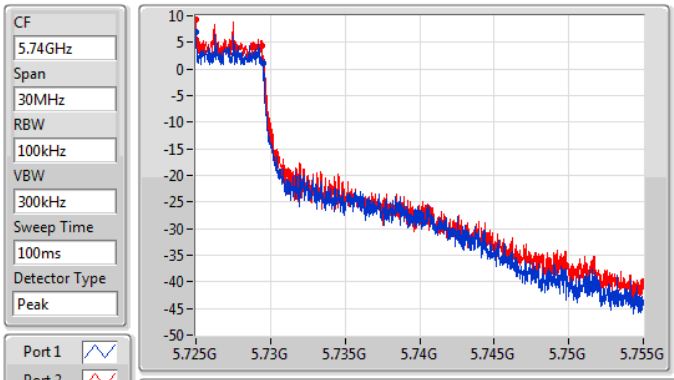


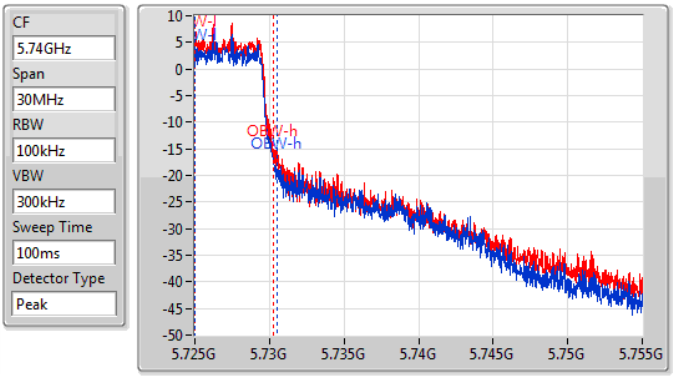
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.17M	5.70883G	5.725G	14.57M	5.710369G	5.724939G	Inf	1
16.258M	5.708743G	5.725G	14.553M	5.710386G	5.724939G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

13/07/2020





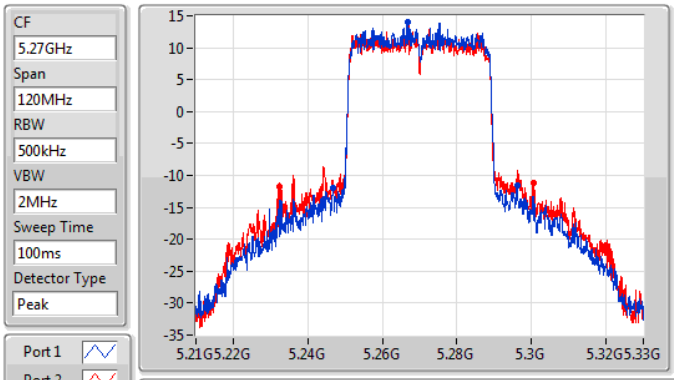
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.485M	5.725G	5.729485G	5.472M	5.725022G	5.730495G	500k	1
4.455M	5.725G	5.729455G	5.217M	5.725022G	5.73024G	500k	2

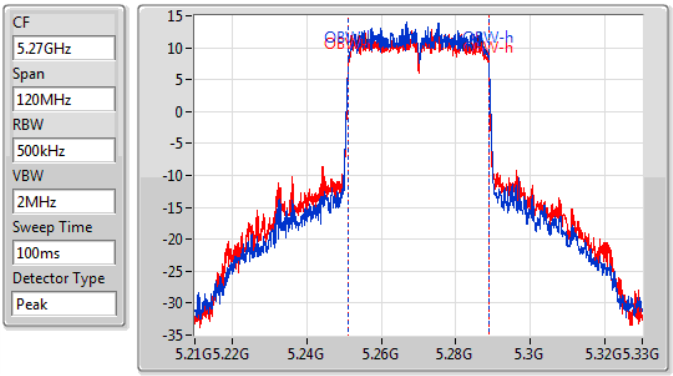
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5270MHz

13/07/2020



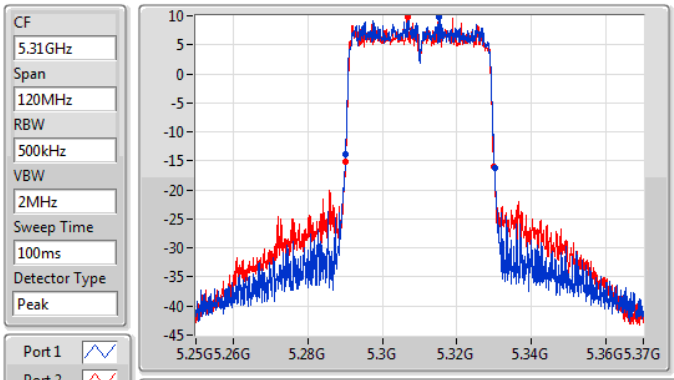


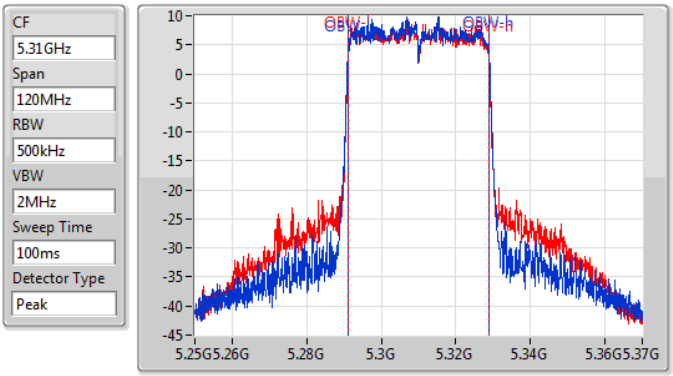
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
49.5M	5.24672G	5.29622G	37.661M	5.251169G	5.288831G	Inf	1
68.22M	5.23232G	5.30054G	37.841M	5.251049G	5.288891G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5310MHz

13/07/2020





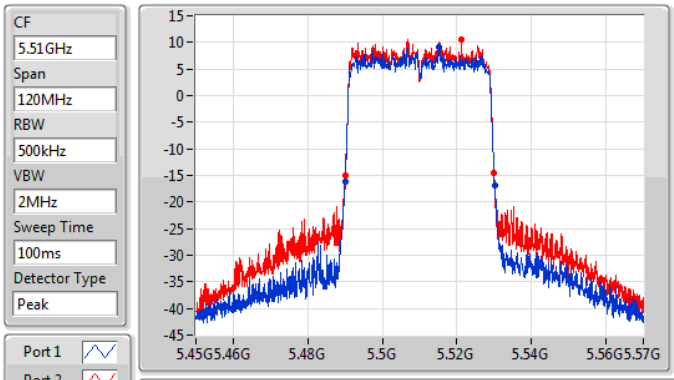
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.29008G	5.3301G	37.601M	5.291169G	5.328771G	Inf	1
39.96M	5.29008G	5.33004G	37.601M	5.291169G	5.328771G	Inf	2

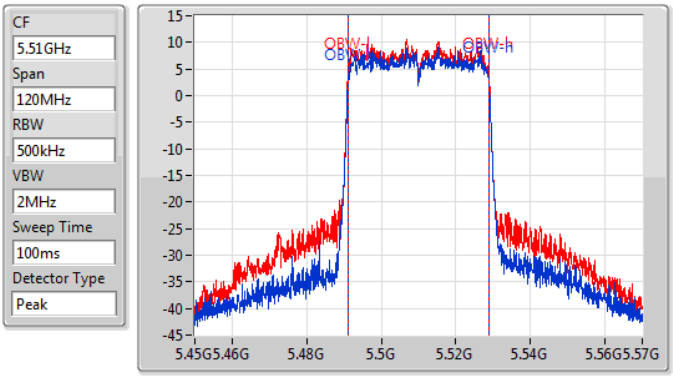
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5510MHz

13/07/2020



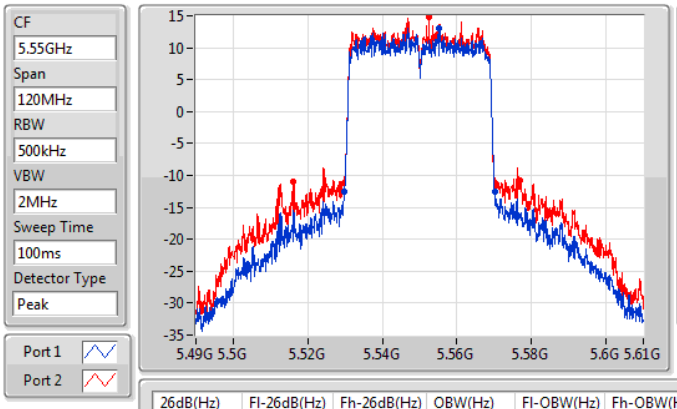


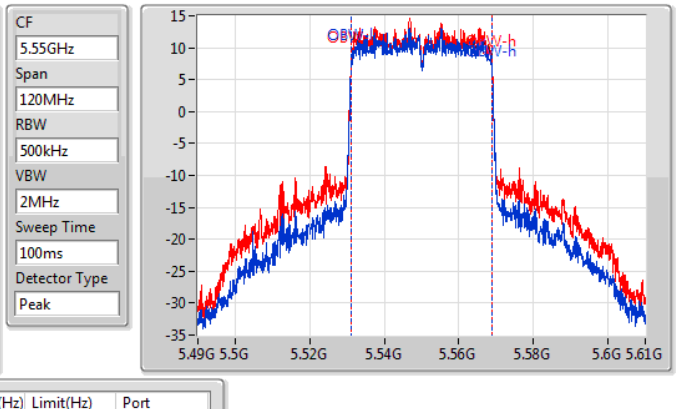
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.48996G	5.5301G	37.601M	5.491169G	5.528771G	Inf	1
39.9M	5.49008G	5.52998G	37.541M	5.491229G	5.528771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5550MHz

13/07/2020





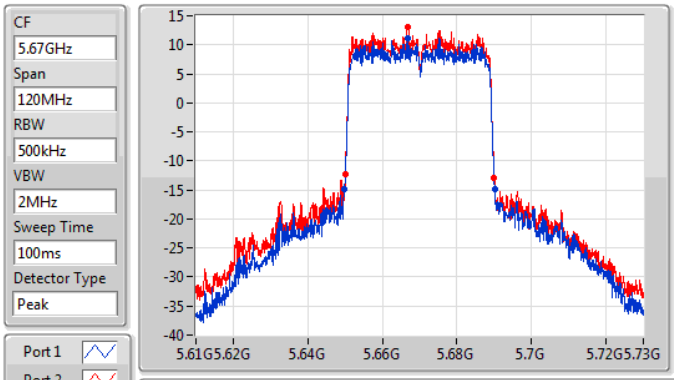
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.52984G	5.5701G	37.661M	5.531169G	5.568831G	Inf	1
61.02M	5.51604G	5.57706G	37.841M	5.531049G	5.568891G	Inf	2

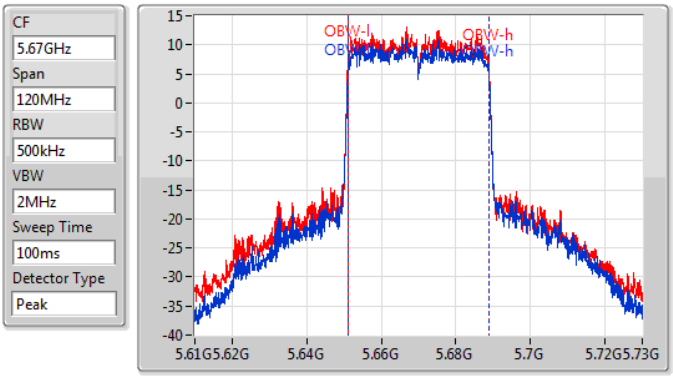
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5670MHz

13/07/2020



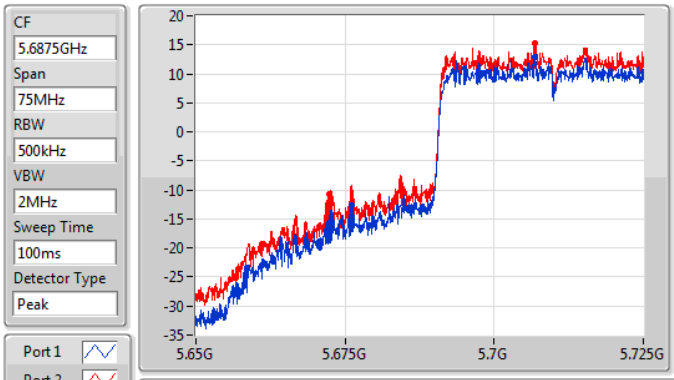


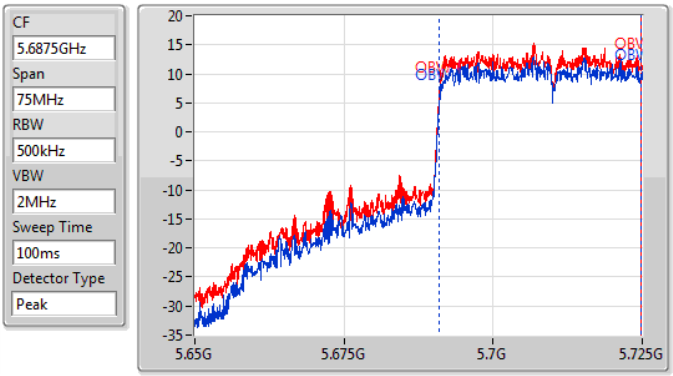
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	5.64984G	5.69016G	37.661M	5.651169G	5.688831G	Inf	1
39.96M	5.65008G	5.69004G	37.661M	5.651109G	5.688771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.47-5.725GHz

13/07/2020





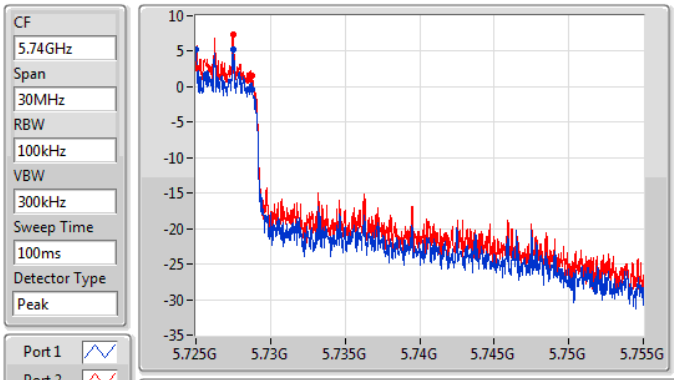
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.938M	5.676063G	5.725G	33.771M	5.691023G	5.724794G	Inf	1
52.725M	5.672275G	5.725G	33.808M	5.690986G	5.724794G	Inf	2

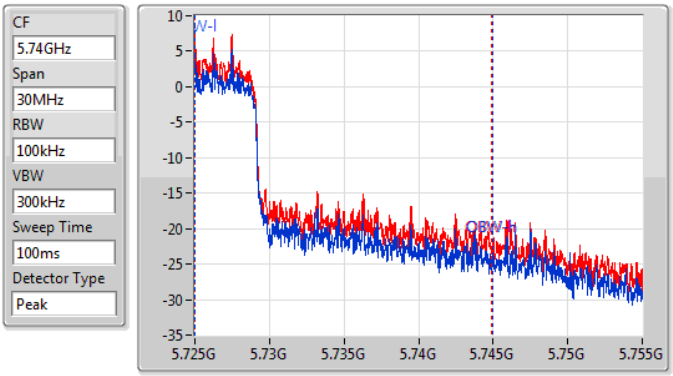
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.725-5.85GHz

13/07/2020



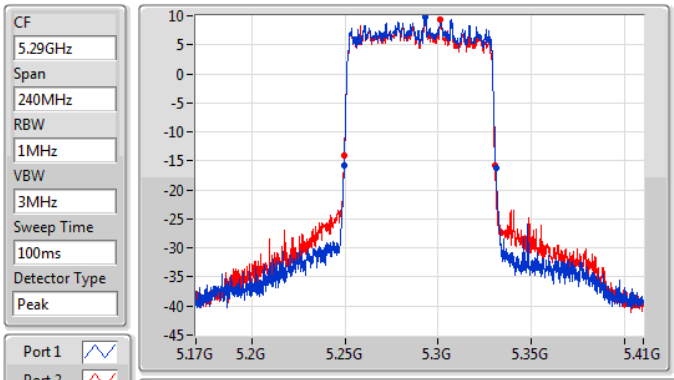


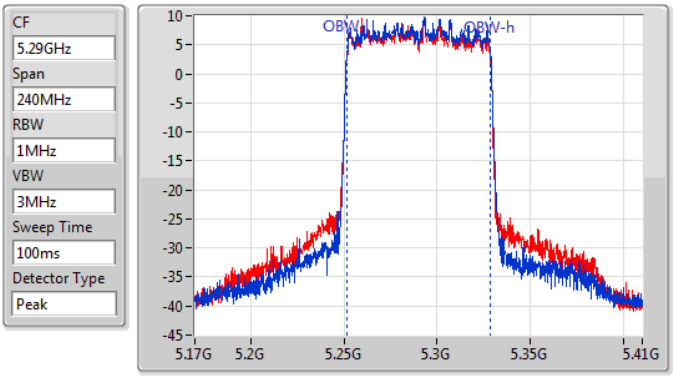
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.78M	5.725G	5.72878G	19.925M	5.725022G	5.744948G	500k	1
3.765M	5.725G	5.728765G	19.895M	5.725007G	5.744903G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5290MHz

13/07/2020





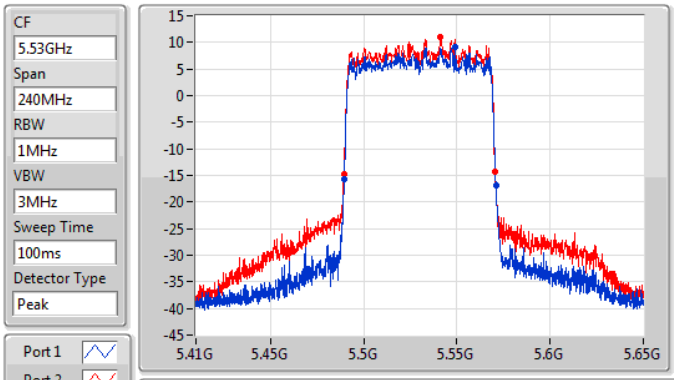
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.24944G	5.33092G	76.762M	5.251619G	5.328381G	Inf	1
81M	5.24944G	5.33044G	76.762M	5.251619G	5.328381G	Inf	2

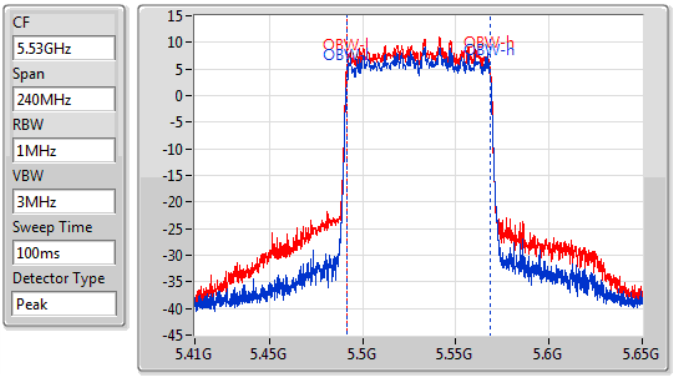
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5530MHz

13/07/2020



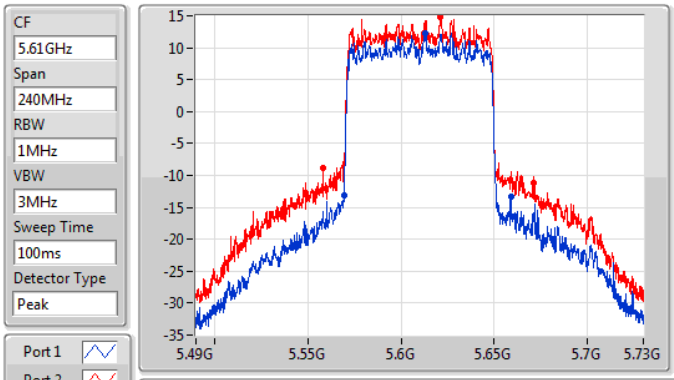


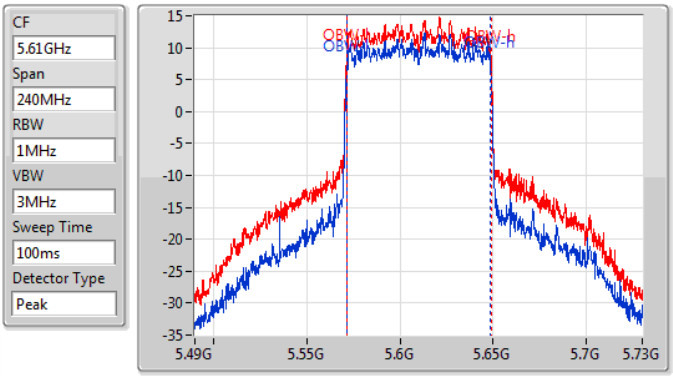
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.48956G	5.57104G	76.762M	5.491739G	5.568501G	Inf	1
81.12M	5.48932G	5.57044G	76.882M	5.491619G	5.568501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5610MHz

13/07/2020





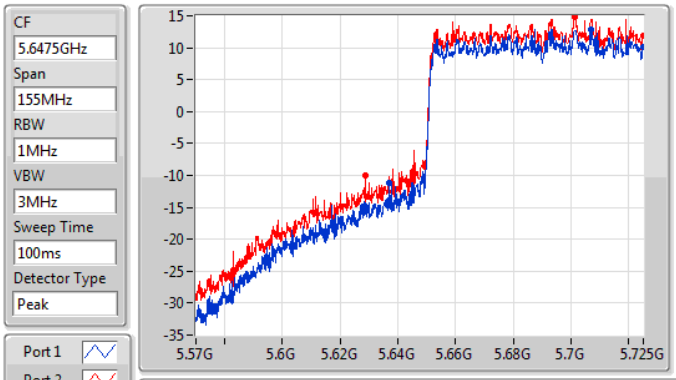
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
89.76M	5.56944G	5.6592G	77.121M	5.571499G	5.648621G	Inf	1
112.92M	5.5584G	5.67132G	77.481M	5.571379G	5.648861G	Inf	2

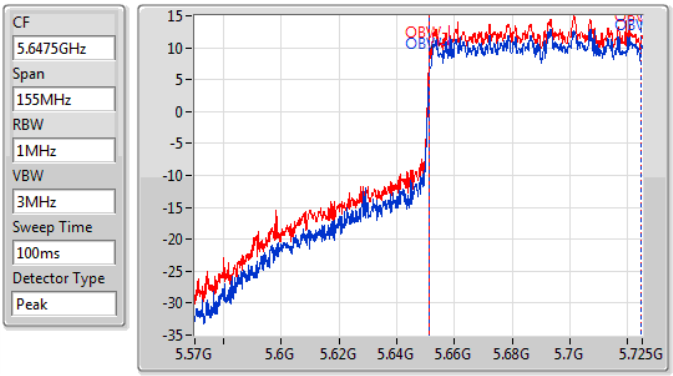
For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5690MHz Straddle 5.47-5.725GHz

13/07/2020



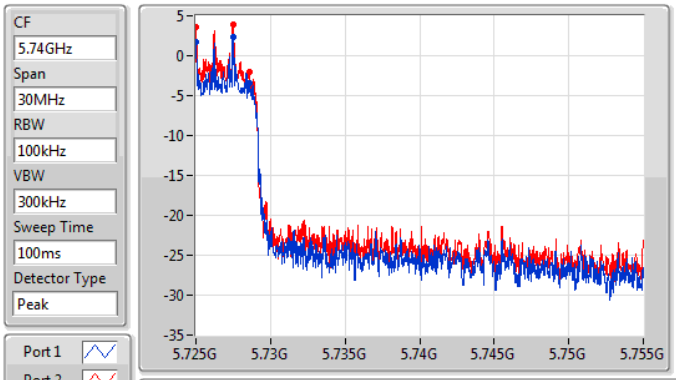


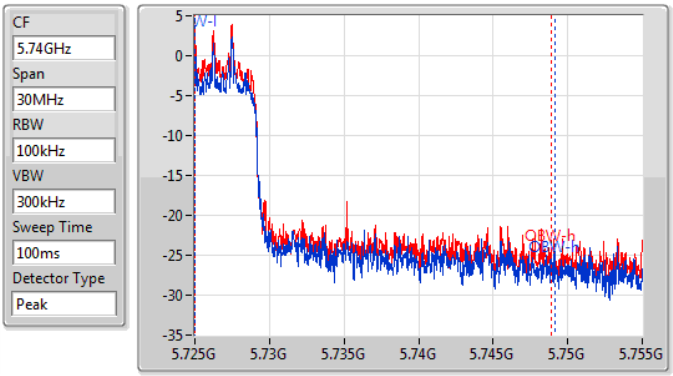
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.118M	5.636883G	5.725G	73.201M	5.651373G	5.724574G	Inf	1
96.178M	5.628823G	5.725G	73.278M	5.651296G	5.724574G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5690MHz Straddle 5.725-5.85GHz

13/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.6M	5.725G	5.7286G	24.153M	5.725022G	5.749175G	500k	1
3.585M	5.725G	5.728585G	23.868M	5.725007G	5.748876G	500k	2

For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.48M	16.822M	16M8D1D	21.12M	16.642M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.6M	19.1M	19M1D1D	21.24M	19.01M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.08M	37.601M	37M6D1D	39.84M	37.541M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.84M	76.762M	76M8D1D	81.24M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.39M	16.792M	16M8D1D	15.54M	13.346M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.57M	19.1M	19M1D1D	15.645M	14.518M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.661M	37M7D1D	34.913M	33.621M
802.11ax HEW80_Nss1,(MCS0)_4TX	105.96M	77.361M	77M4D1D	78.585M	73.046M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.15M	4.348M	4M35D1D	3.135M	4.198M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.53M	4.813M	4M81D1D	4.44M	4.663M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.795M	8.501M	8M50D1D	3.555M	4.123M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.855M	27.091M	27M1D1D	3.57M	19.505M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.21M	16.702M	21.45M	16.792M	21.39M	16.732M	21.39M	16.672M
5300MHz	Pass	Inf	21.12M	16.732M	21.48M	16.822M	21.3M	16.762M	21.27M	16.642M
5320MHz	Pass	Inf	21.21M	16.762M	21.24M	16.822M	21.27M	16.762M	21.33M	16.672M
5500MHz	Pass	Inf	21.15M	16.732M	21.3M	16.792M	21.39M	16.762M	21.33M	16.642M
5580MHz	Pass	Inf	21.21M	16.732M	21.39M	16.792M	21.33M	16.762M	21.27M	16.702M
5700MHz	Pass	Inf	21.21M	16.762M	21.33M	16.792M	21.36M	16.762M	21.18M	16.672M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.54M	13.363M	15.663M	13.416M	15.68M	13.433M	15.61M	13.346M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	4.243M	3.15M	4.348M	3.15M	4.213M	3.135M	4.198M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.42M	19.04M	21.51M	19.04M	21.48M	19.07M	21.6M	19.07M
5300MHz	Pass	Inf	21.48M	19.01M	21.24M	19.07M	21.57M	19.07M	21.51M	19.07M
5320MHz	Pass	Inf	21.48M	19.04M	21.48M	19.04M	21.6M	19.07M	21.51M	19.1M
5500MHz	Pass	Inf	21.42M	19.04M	21.39M	19.07M	21.54M	19.07M	21.54M	19.1M
5580MHz	Pass	Inf	21.42M	19.04M	21.45M	19.04M	21.57M	19.1M	21.33M	19.1M
5700MHz	Pass	Inf	21.33M	19.01M	21.33M	19.04M	21.48M	19.07M	21.42M	19.1M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.715M	14.518M	15.645M	14.518M	15.715M	14.535M	15.733M	14.518M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.455M	4.663M	4.47M	4.708M	4.44M	4.708M	4.53M	4.813M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.02M	37.541M	39.84M	37.541M	39.84M	37.541M	40.08M	37.601M
5310MHz	Pass	Inf	40.08M	37.541M	39.9M	37.541M	40.02M	37.541M	40.02M	37.541M
5510MHz	Pass	Inf	40.2M	37.481M	39.84M	37.481M	39.9M	37.541M	40.08M	37.541M
5550MHz	Pass	Inf	40.2M	37.541M	39.96M	37.481M	39.9M	37.541M	39.9M	37.541M
5670MHz	Pass	Inf	40.08M	37.541M	39.9M	37.601M	40.02M	37.661M	40.02M	37.601M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.1M	33.696M	34.913M	33.621M	34.988M	33.696M	35.138M	33.771M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.795M	4.123M	3.735M	4.123M	3.75M	8.501M	3.555M	4.423M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.48M	76.762M	81.24M	76.762M	81.72M	76.762M	81.84M	76.762M
5530MHz	Pass	Inf	81.48M	76.762M	81.12M	76.762M	81.6M	76.762M	81.72M	76.762M
5610MHz	Pass	Inf	81.48M	76.882M	81.48M	76.882M	105.96M	77.361M	85.32M	77.001M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	78.585M	73.046M	79.67M	73.123M	105.013M	73.588M	95.713M	73.278M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.585M	19.505M	3.57M	22.924M	3.81M	27.091M	3.855M	25.742M

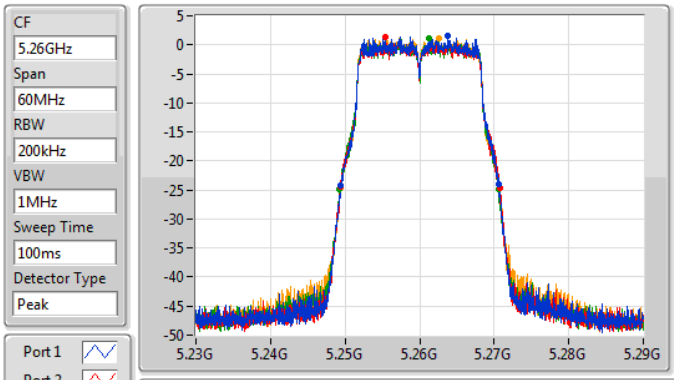
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

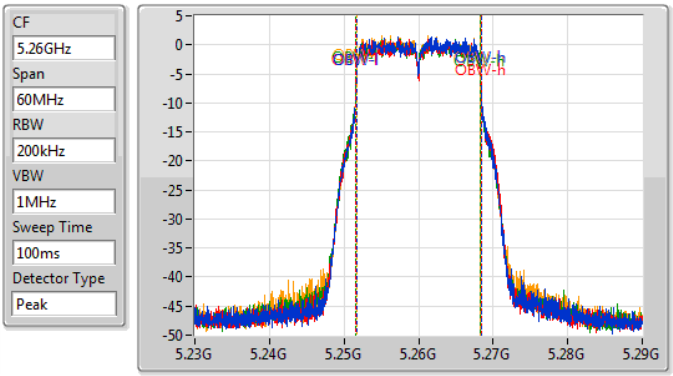
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5260MHz

15/07/2020



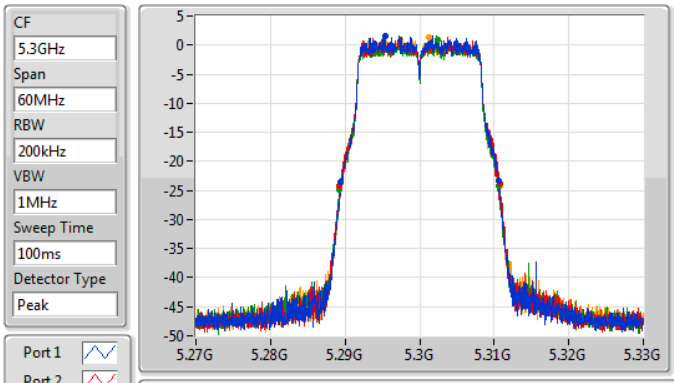


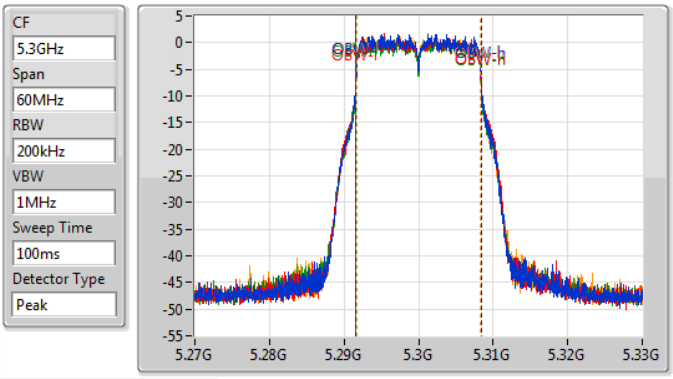
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.24944G	5.27065G	16.702M	5.251664G	5.268366G	Inf	1
21.45M	5.24935G	5.2708G	16.792M	5.251634G	5.268426G	Inf	2
21.39M	5.24926G	5.27065G	16.732M	5.251604G	5.268336G	Inf	3
21.39M	5.24938G	5.27077G	16.672M	5.251664G	5.268336G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5300MHz

15/07/2020





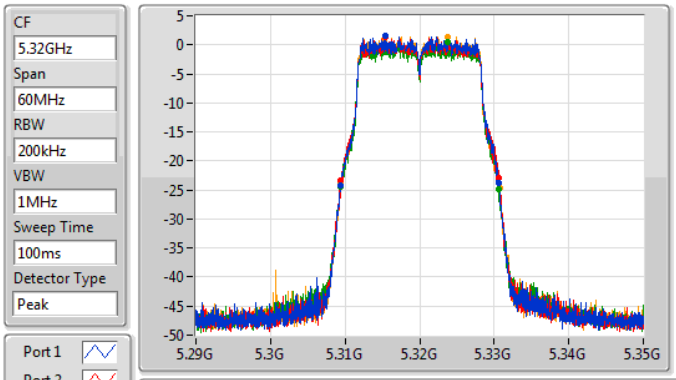
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.12M	5.28944G	5.31056G	16.732M	5.291634G	5.308366G	Inf	1
21.48M	5.28929G	5.31077G	16.822M	5.291604G	5.308426G	Inf	2
21.3M	5.28929G	5.31059G	16.762M	5.291604G	5.308366G	Inf	3
21.27M	5.28944G	5.31071G	16.642M	5.291694G	5.308336G	Inf	4

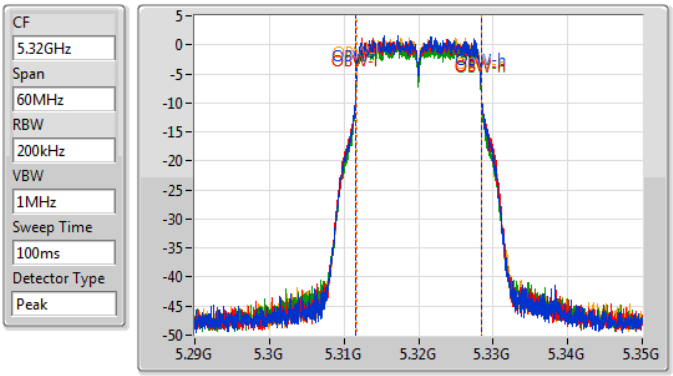
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5320MHz

15/07/2020



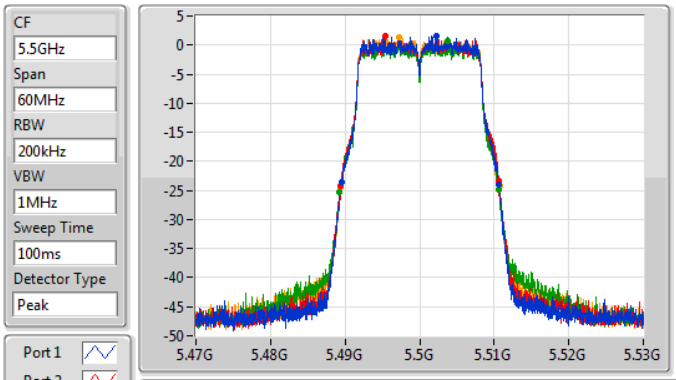


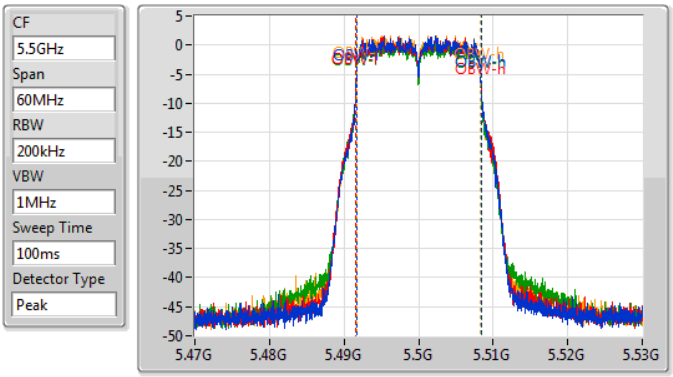
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.30944G	5.33065G	16.762M	5.311634G	5.328396G	Inf	1
21.24M	5.30941G	5.33065G	16.822M	5.311604G	5.328426G	Inf	2
21.27M	5.30935G	5.33062G	16.762M	5.311604G	5.328366G	Inf	3
21.33M	5.30944G	5.33077G	16.672M	5.311694G	5.328366G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5500MHz

15/07/2020





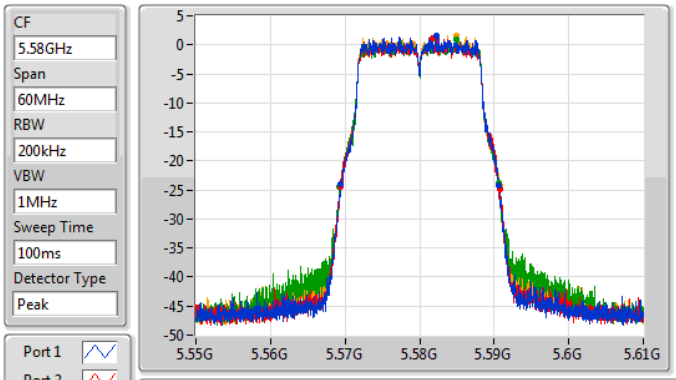
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.15M	5.4895G	5.51065G	16.732M	5.491664G	5.508396G	Inf	1
21.3M	5.48938G	5.51068G	16.792M	5.491634G	5.508426G	Inf	2
21.39M	5.48926G	5.51065G	16.762M	5.491604G	5.508366G	Inf	3
21.33M	5.48938G	5.51071G	16.642M	5.491694G	5.508336G	Inf	4

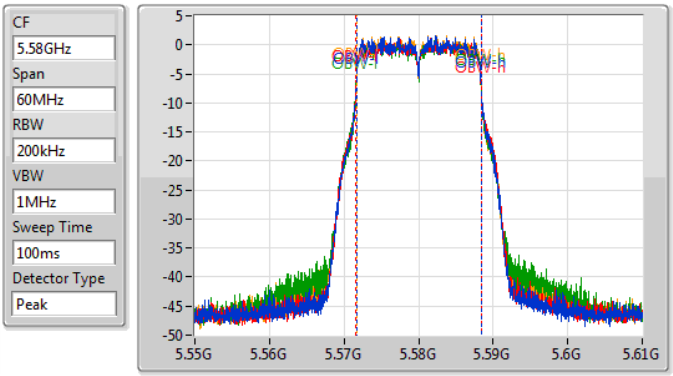
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5580MHz

15/07/2020



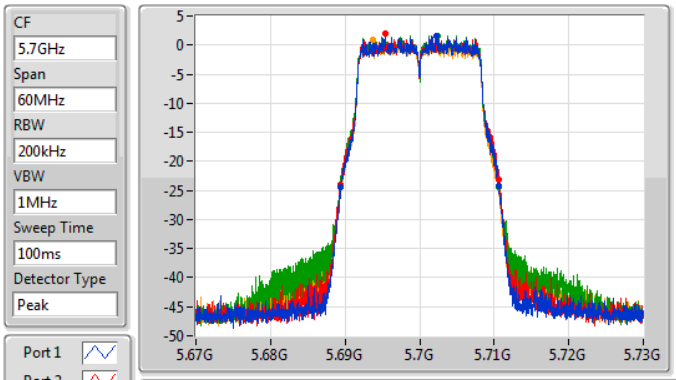


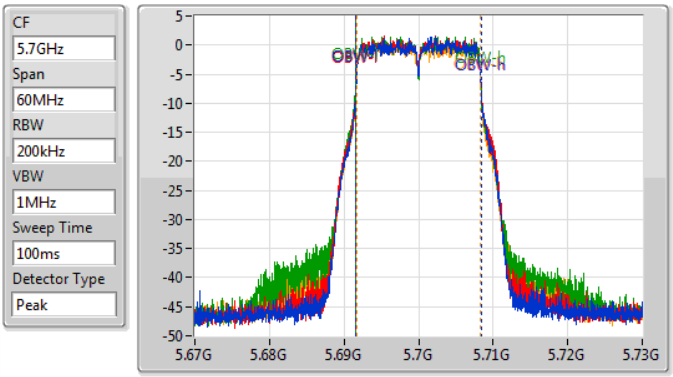
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.56947G	5.59068G	16.732M	5.571664G	5.588396G	Inf	1
21.39M	5.56938G	5.59077G	16.792M	5.571634G	5.588426G	Inf	2
21.33M	5.56929G	5.59062G	16.762M	5.571604G	5.588366G	Inf	3
21.27M	5.56944G	5.59071G	16.702M	5.571664G	5.588366G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5700MHz

15/07/2020





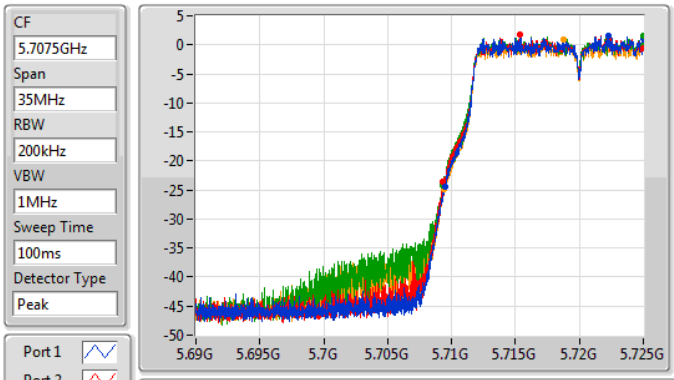
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.68944G	5.71065G	16.762M	5.691634G	5.708396G	Inf	1
21.33M	5.68935G	5.71068G	16.792M	5.691634G	5.708426G	Inf	2
21.36M	5.68932G	5.71068G	16.762M	5.691604G	5.708366G	Inf	3
21.18M	5.68947G	5.71065G	16.672M	5.691664G	5.708336G	Inf	4

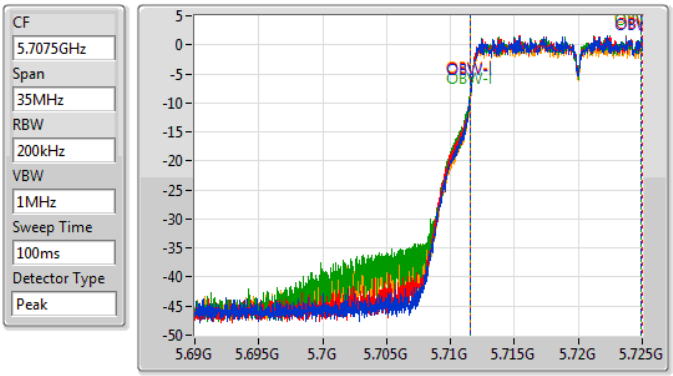
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

15/07/2020



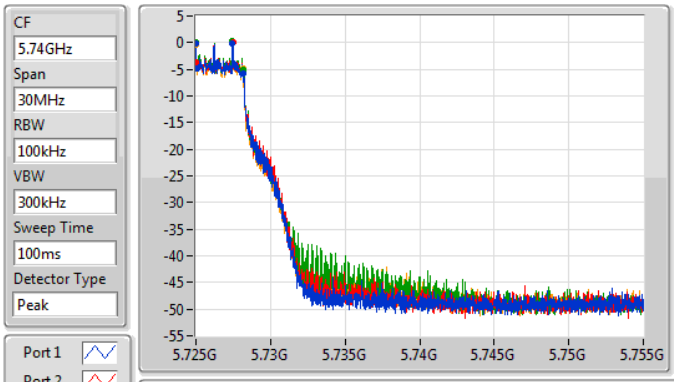


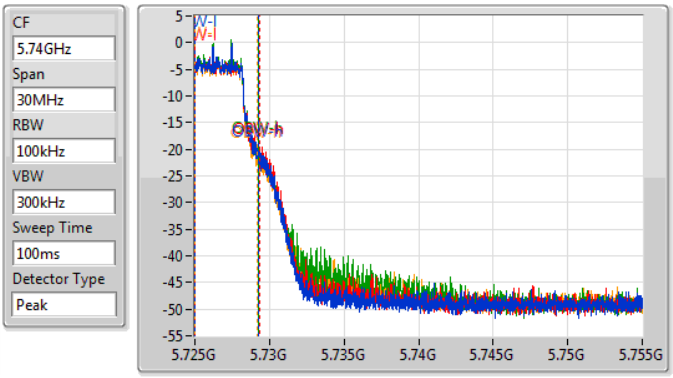
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.54M	5.70946G	5.725G	13.363M	5.711575G	5.724939G	Inf	1
15.663M	5.709338G	5.725G	13.416M	5.71154G	5.724956G	Inf	2
15.68M	5.70932G	5.725G	13.433M	5.711505G	5.724939G	Inf	3
15.61M	5.70939G	5.725G	13.346M	5.711593G	5.724939G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

15/07/2020





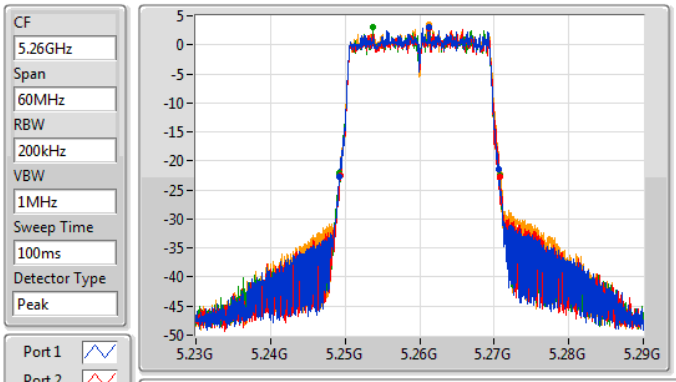
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.15M	5.725G	5.72815G	4.243M	5.725007G	5.72925G	500k	1
3.15M	5.725G	5.72815G	4.348M	5.725007G	5.729355G	500k	2
3.15M	5.725G	5.72815G	4.213M	5.725022G	5.729235G	500k	3
3.135M	5.725G	5.728135G	4.198M	5.725007G	5.729205G	500k	4

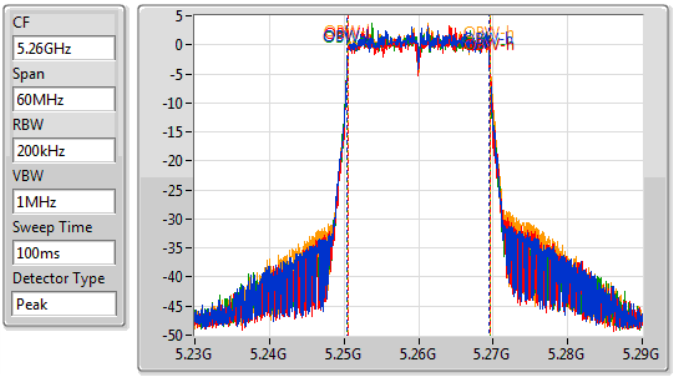
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5260MHz

15/07/2020



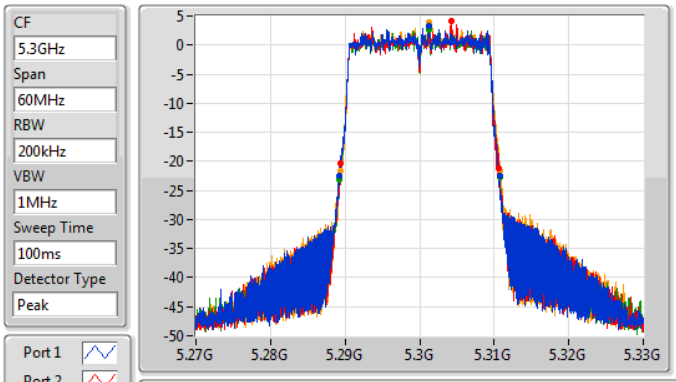


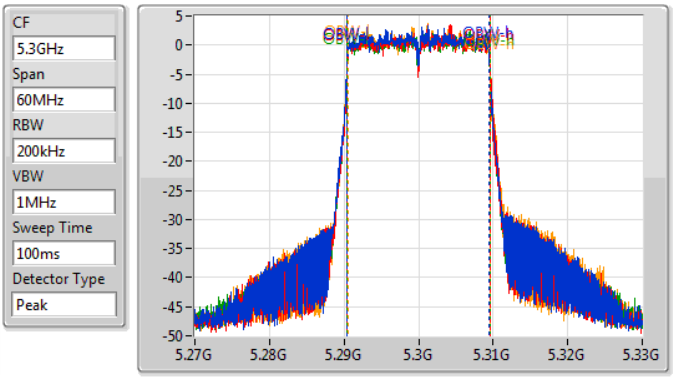
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.24923G	5.27065G	19.04M	5.250465G	5.269505G	Inf	1
21.51M	5.24932G	5.27083G	19.04M	5.250495G	5.269535G	Inf	2
21.48M	5.24929G	5.27077G	19.07M	5.250465G	5.269535G	Inf	3
21.6M	5.24926G	5.27086G	19.07M	5.250495G	5.269565G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5300MHz

15/07/2020





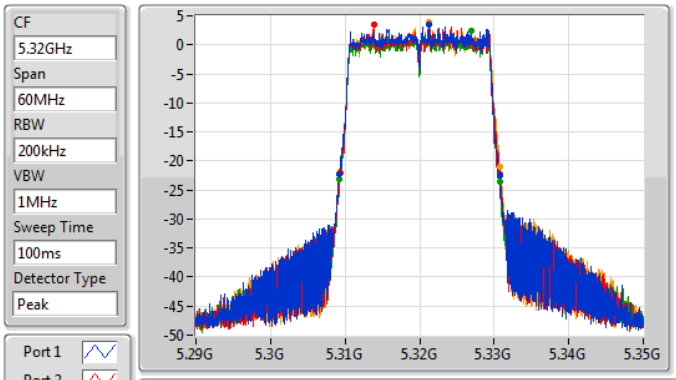
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.28926G	5.31074G	19.01M	5.290465G	5.309475G	Inf	1
21.24M	5.28944G	5.31068G	19.07M	5.290465G	5.309535G	Inf	2
21.57M	5.2892G	5.31077G	19.07M	5.290465G	5.309535G	Inf	3
21.51M	5.28932G	5.31083G	19.07M	5.290495G	5.309565G	Inf	4

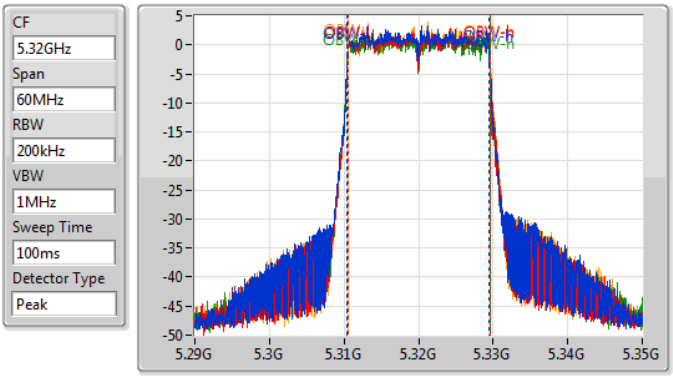
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5320MHz

15/07/2020



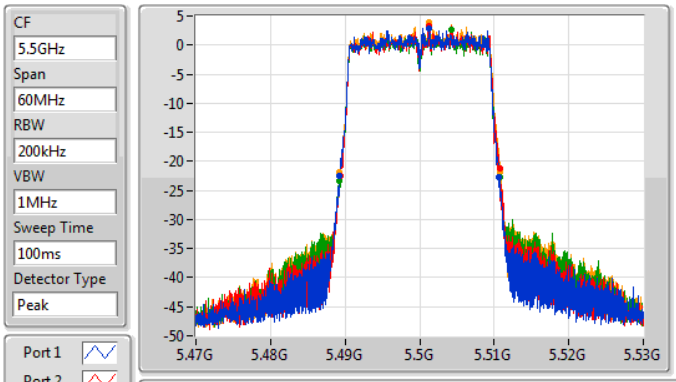


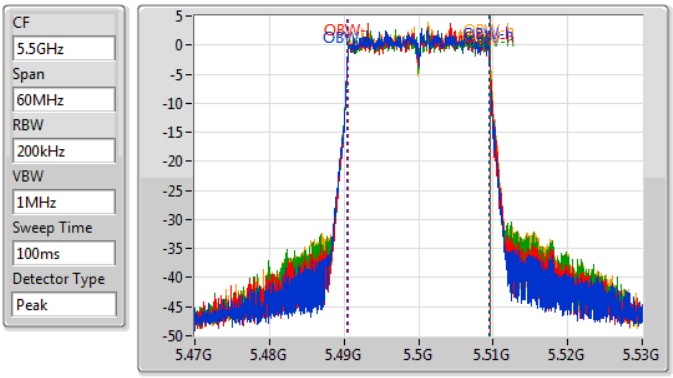
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.30923G	5.33071G	19.04M	5.310465G	5.329505G	Inf	1
21.48M	5.30932G	5.3308G	19.04M	5.310495G	5.329535G	Inf	2
21.6M	5.30917G	5.33077G	19.07M	5.310465G	5.329535G	Inf	3
21.51M	5.30929G	5.3308G	19.1M	5.310495G	5.329595G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5500MHz

15/07/2020





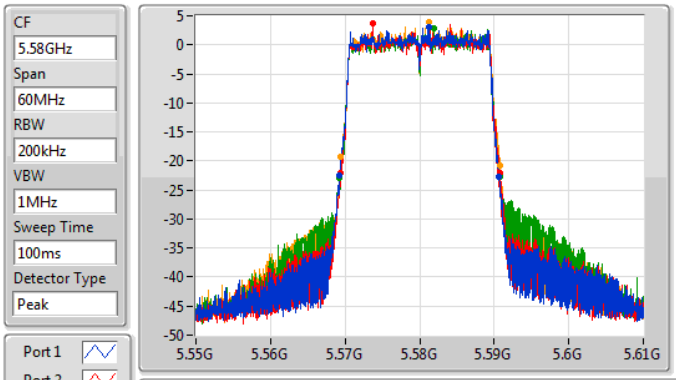
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.48926G	5.51068G	19.04M	5.490465G	5.509505G	Inf	1
21.39M	5.48932G	5.51071G	19.07M	5.490495G	5.509565G	Inf	2
21.54M	5.4892G	5.51074G	19.07M	5.490465G	5.509535G	Inf	3
21.54M	5.48929G	5.51083G	19.1M	5.490495G	5.509595G	Inf	4

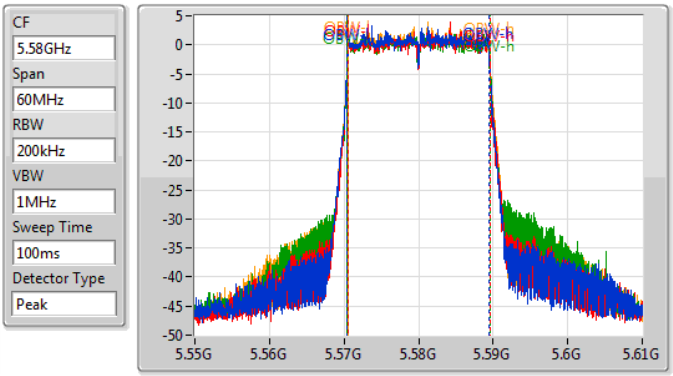
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5580MHz

15/07/2020



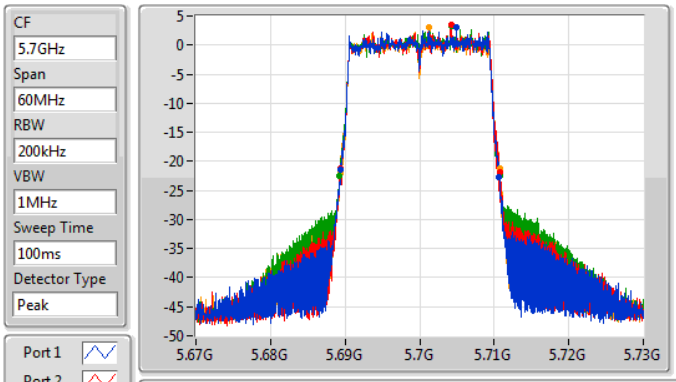


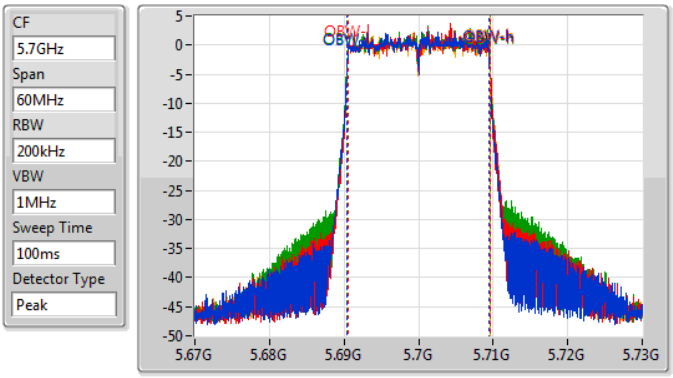
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.56926G	5.59068G	19.04M	5.570465G	5.589505G	Inf	1
21.45M	5.56935G	5.5908G	19.04M	5.570495G	5.589535G	Inf	2
21.57M	5.56923G	5.5908G	19.1M	5.570465G	5.589565G	Inf	3
21.33M	5.56947G	5.5908G	19.1M	5.570495G	5.589595G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5700MHz

15/07/2020





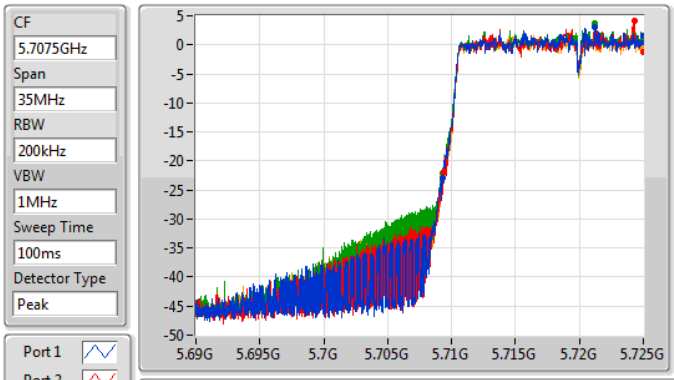
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.33M	5.68935G	5.71068G	19.01M	5.690465G	5.709475G	Inf	1
21.33M	5.68944G	5.71077G	19.04M	5.690495G	5.709535G	Inf	2
21.48M	5.68929G	5.71077G	19.07M	5.690465G	5.709535G	Inf	3
21.42M	5.68932G	5.71074G	19.1M	5.690465G	5.709565G	Inf	4

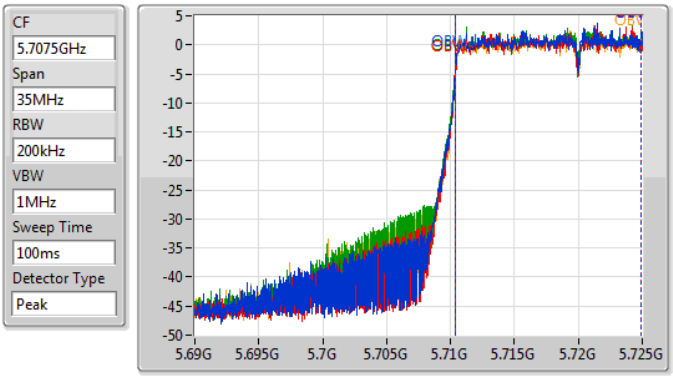
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

15/07/2020



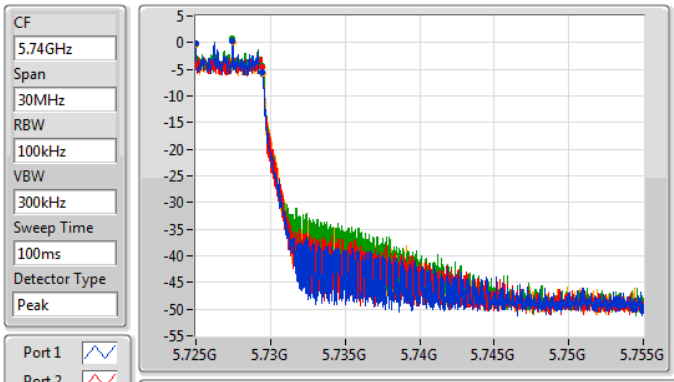


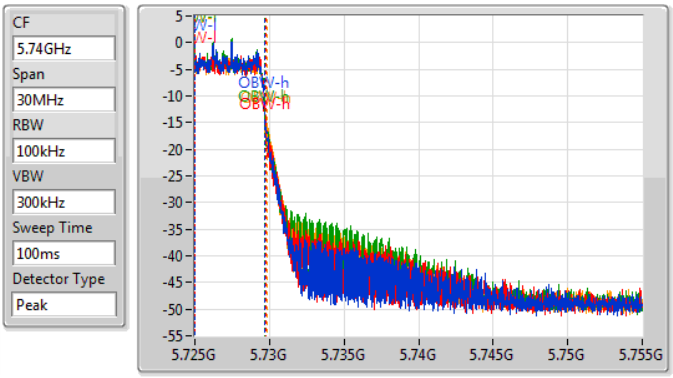
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.715M	5.709285G	5.725G	14.518M	5.710421G	5.724939G	Inf	1
15.645M	5.709355G	5.725G	14.518M	5.710421G	5.724939G	Inf	2
15.715M	5.709285G	5.725G	14.535M	5.710404G	5.724939G	Inf	3
15.733M	5.709268G	5.725G	14.518M	5.710421G	5.724939G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

15/07/2020





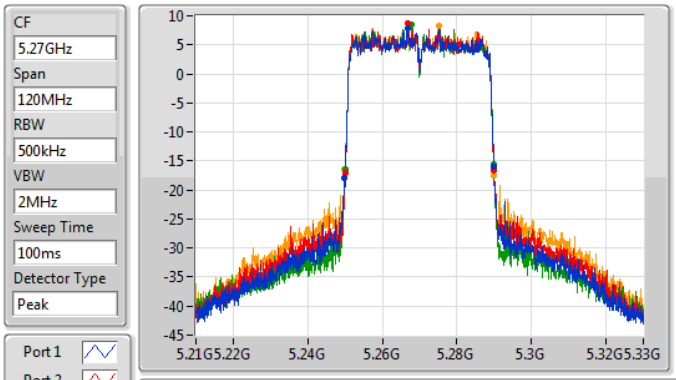
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.455M	5.725G	5.729455G	4.663M	5.725022G	5.729685G	500k	1
4.47M	5.725G	5.72947G	4.708M	5.725022G	5.72973G	500k	2
4.44M	5.725G	5.72944G	4.708M	5.725007G	5.729715G	500k	3
4.53M	5.725G	5.72953G	4.813M	5.725007G	5.72982G	500k	4

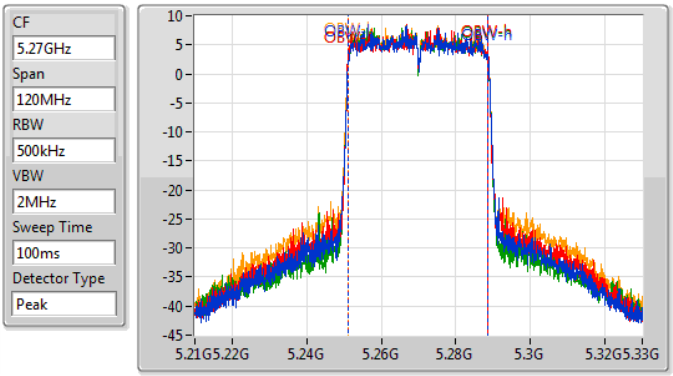
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5270MHz

15/07/2020



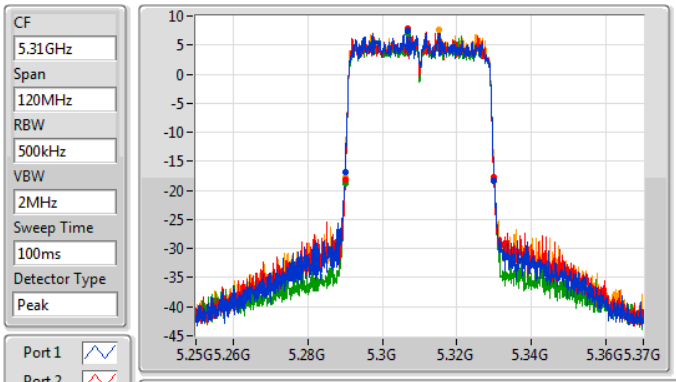


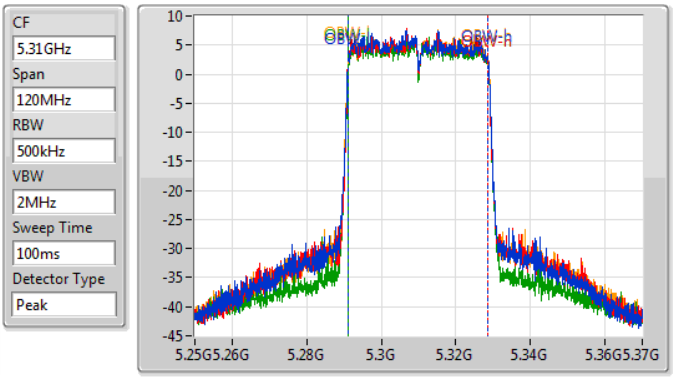
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.2499G	5.28992G	37.541M	5.251169G	5.288711G	Inf	1
39.84M	5.25008G	5.28992G	37.541M	5.251169G	5.288711G	Inf	2
39.84M	5.25008G	5.28992G	37.541M	5.251169G	5.288711G	Inf	3
40.08M	5.2499G	5.28998G	37.601M	5.251109G	5.288711G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5310MHz

15/07/2020





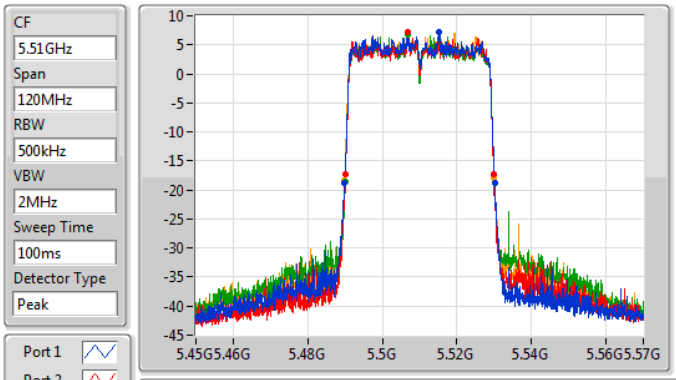
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.28996G	5.33004G	37.541M	5.291169G	5.328711G	Inf	1
39.9M	5.29002G	5.32992G	37.541M	5.291169G	5.328711G	Inf	2
40.02M	5.29002G	5.33004G	37.541M	5.291169G	5.328711G	Inf	3
40.02M	5.28996G	5.32998G	37.541M	5.291169G	5.328711G	Inf	4

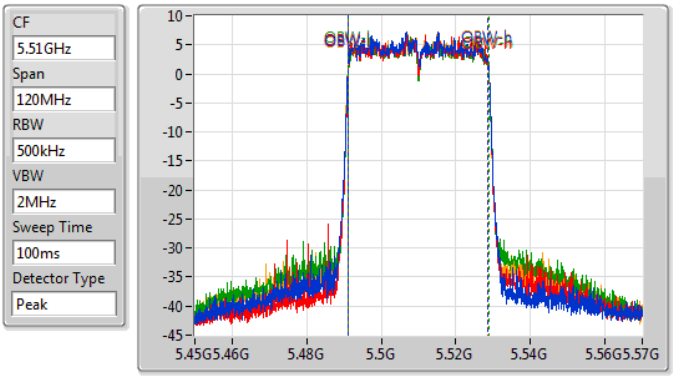
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5510MHz

15/07/2020



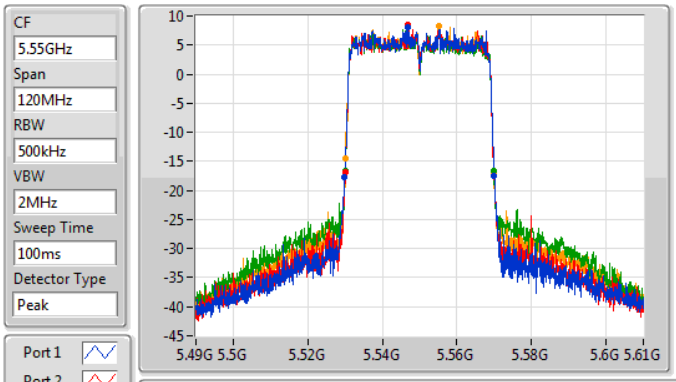


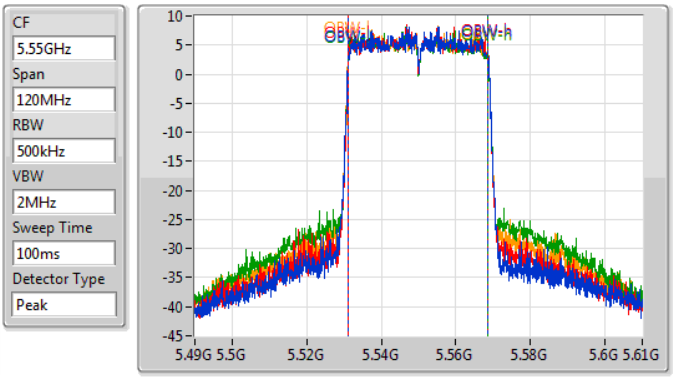
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.4899G	5.5301G	37.481M	5.491229G	5.528711G	Inf	1
39.84M	5.49008G	5.52992G	37.481M	5.491229G	5.528711G	Inf	2
39.9M	5.49002G	5.52992G	37.541M	5.491229G	5.528771G	Inf	3
40.08M	5.4899G	5.52998G	37.541M	5.491169G	5.528711G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5550MHz

15/07/2020





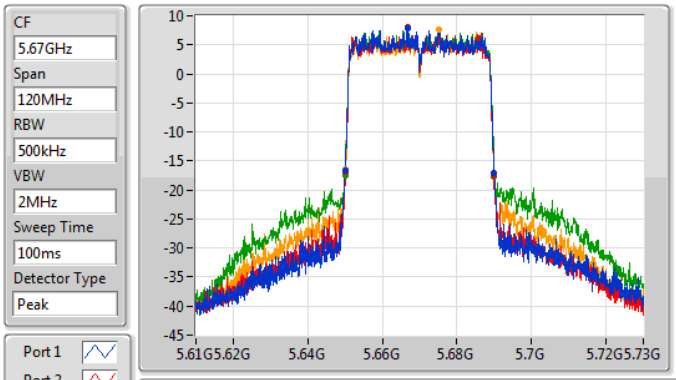
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.52984G	5.57004G	37.541M	5.531169G	5.568711G	Inf	1
39.96M	5.53008G	5.57004G	37.481M	5.531229G	5.568711G	Inf	2
39.9M	5.53008G	5.56998G	37.541M	5.531169G	5.568711G	Inf	3
39.9M	5.53008G	5.56998G	37.541M	5.531169G	5.568711G	Inf	4

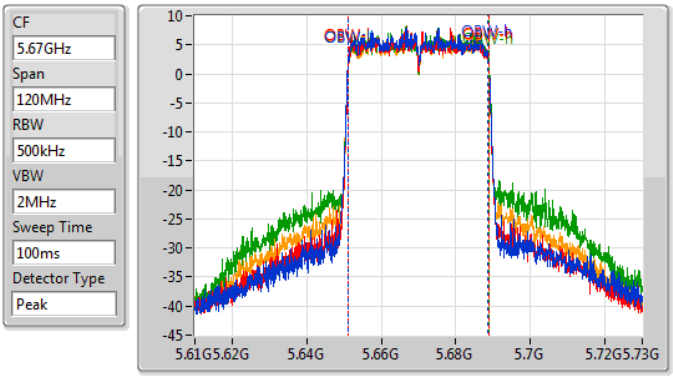
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5670MHz

15/07/2020



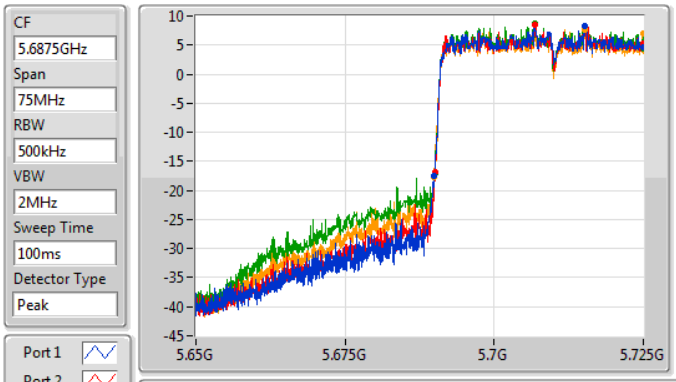


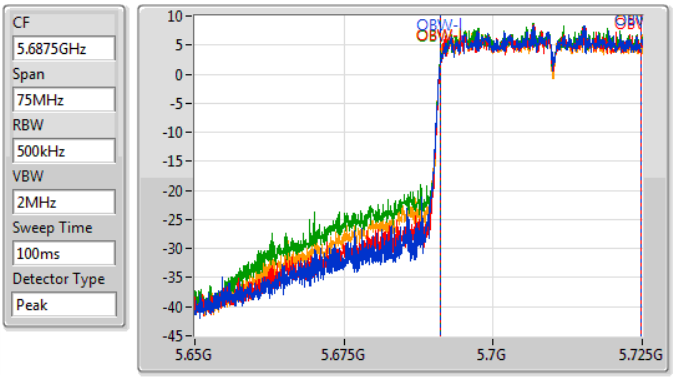
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.64996G	5.69004G	37.541M	5.651169G	5.688711G	Inf	1
39.9M	5.65008G	5.68998G	37.601M	5.651169G	5.688771G	Inf	2
40.02M	5.65002G	5.69004G	37.661M	5.651169G	5.688831G	Inf	3
40.02M	5.64996G	5.68998G	37.601M	5.651169G	5.688771G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

15/07/2020





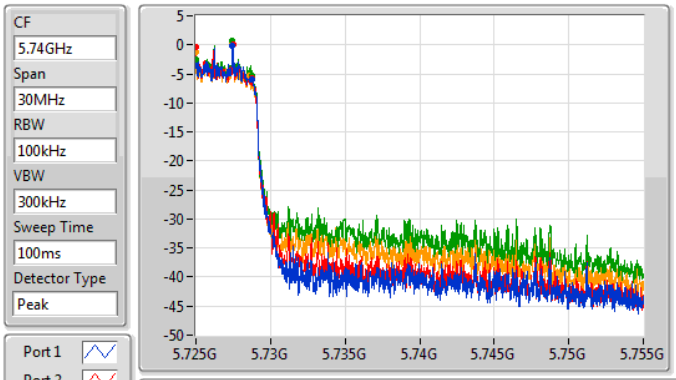
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.6899G	5.725G	33.696M	5.691136G	5.724831G	Inf	1
34.913M	5.690088G	5.725G	33.621M	5.691173G	5.724794G	Inf	2
34.988M	5.690013G	5.725G	33.696M	5.691136G	5.724831G	Inf	3
35.138M	5.689863G	5.725G	33.771M	5.691098G	5.724869G	Inf	4

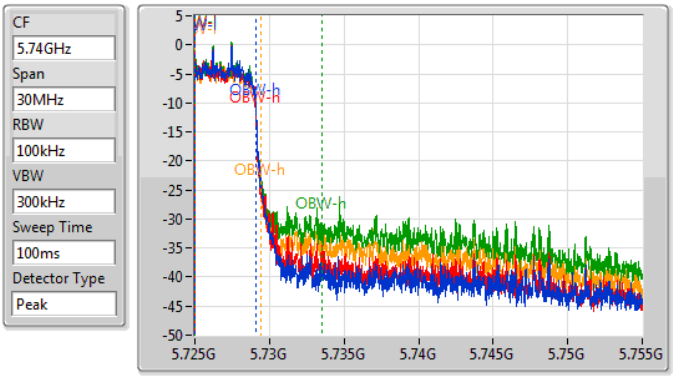
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

15/07/2020



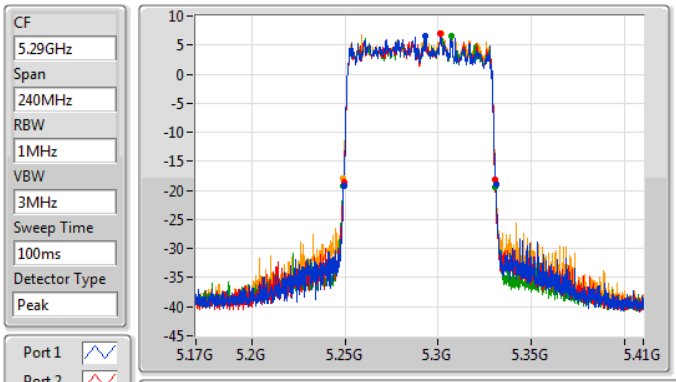


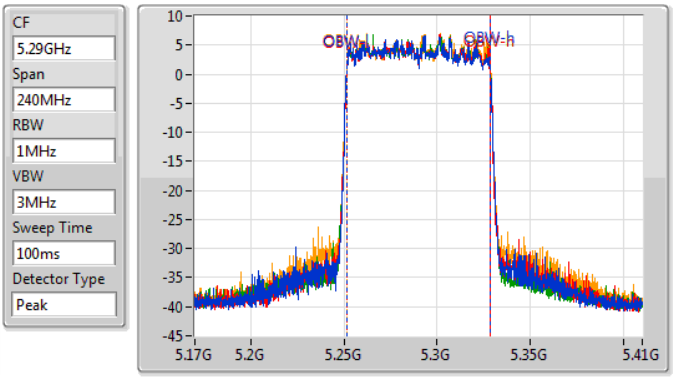
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.795M	5.725G	5.728795G	4.123M	5.725007G	5.72913G	500k	1
3.735M	5.725G	5.728735G	4.123M	5.725007G	5.72913G	500k	2
3.75M	5.725G	5.72875G	8.501M	5.725007G	5.733508G	500k	3
3.555M	5.725G	5.728555G	4.423M	5.725022G	5.729445G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5290MHz

15/07/2020





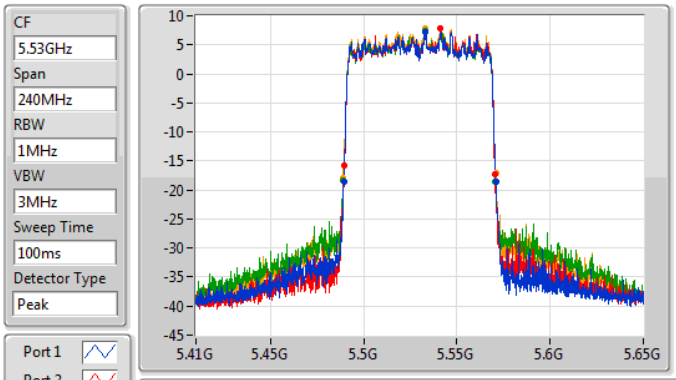
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.24932G	5.3308G	76.762M	5.251619G	5.328381G	Inf	1
81.24M	5.24932G	5.33056G	76.762M	5.251619G	5.328381G	Inf	2
81.72M	5.24896G	5.33068G	76.762M	5.251619G	5.328381G	Inf	3
81.84M	5.24908G	5.33092G	76.762M	5.251619G	5.328381G	Inf	4

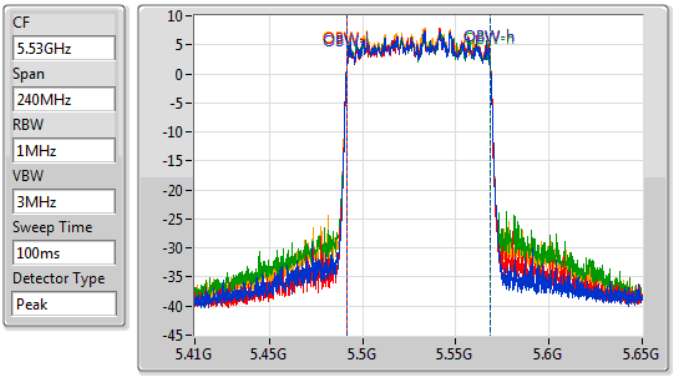
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5530MHz

15/07/2020



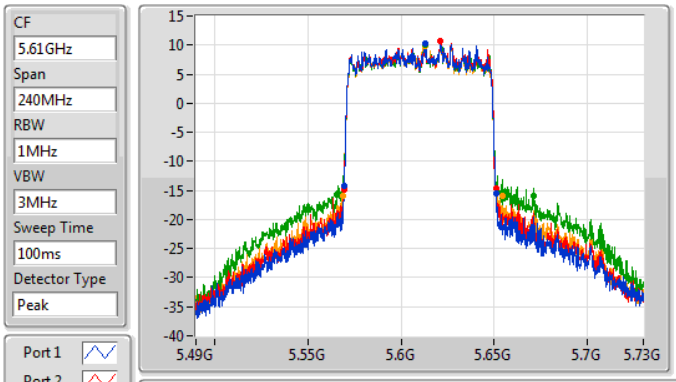


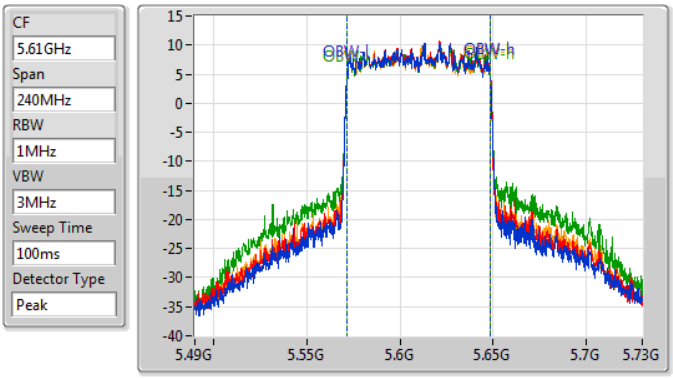
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.48944G	5.57092G	76.762M	5.491619G	5.568381G	Inf	1
81.12M	5.48944G	5.57056G	76.762M	5.491739G	5.568501G	Inf	2
81.6M	5.48908G	5.57068G	76.762M	5.491619G	5.568381G	Inf	3
81.72M	5.48908G	5.5708G	76.762M	5.491619G	5.568381G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5610MHz

15/07/2020





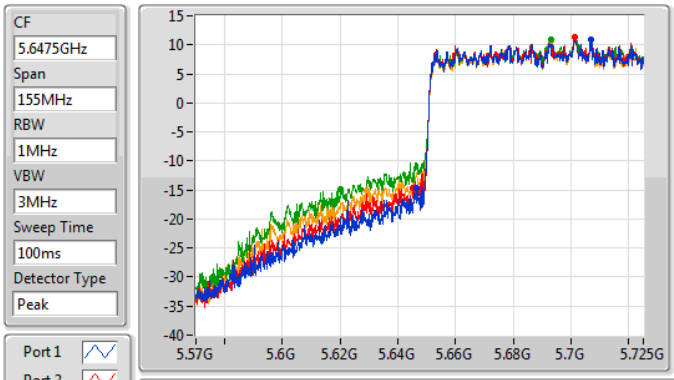
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.56944G	5.65092G	76.882M	5.571619G	5.648501G	Inf	1
81.48M	5.56932G	5.6508G	76.882M	5.571619G	5.648501G	Inf	2
105.96M	5.56548G	5.67144G	77.361M	5.571379G	5.648741G	Inf	3
85.32M	5.56884G	5.65416G	77.001M	5.571499G	5.648501G	Inf	4

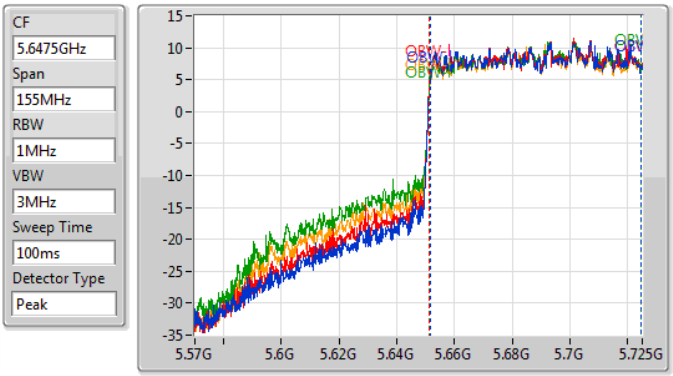
For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.47-5.725GHz

15/07/2020



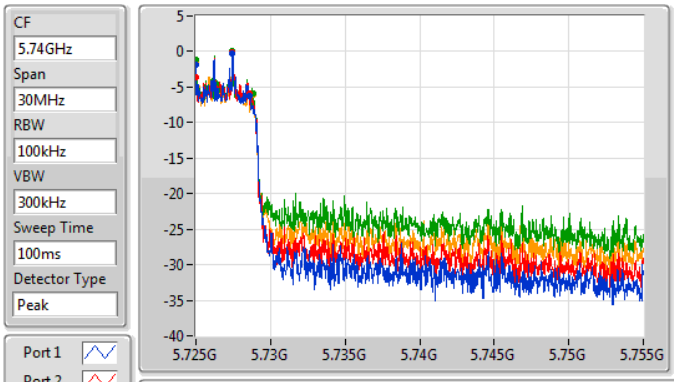


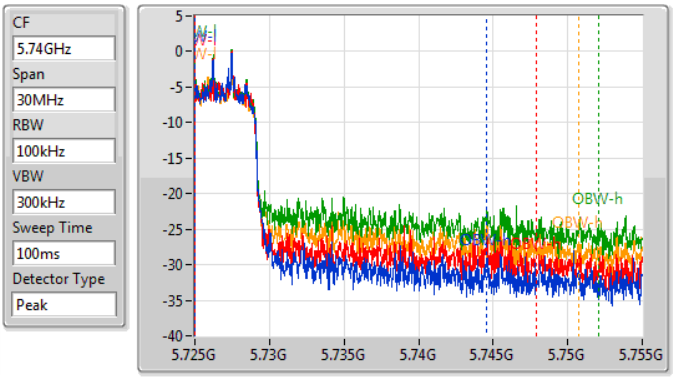
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
78.585M	5.646415G	5.725G	73.046M	5.651451G	5.724497G	Inf	1
79.67M	5.64533G	5.725G	73.123M	5.651373G	5.724497G	Inf	2
105.013M	5.619988G	5.725G	73.588M	5.650986G	5.724574G	Inf	3
95.713M	5.629288G	5.725G	73.278M	5.651218G	5.724497G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.725-5.85GHz

15/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.585M	5.725G	5.728585G	19.505M	5.725007G	5.744513G	500k	1
3.57M	5.725G	5.72857G	22.924M	5.725007G	5.747931G	500k	2
3.81M	5.725G	5.72881G	27.091M	5.725007G	5.752099G	500k	3
3.855M	5.725G	5.728855G	25.742M	5.725007G	5.75075G	500k	4

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.87M	16.732M	16M7D1D	21.18M	16.702M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.47M	19.1M	19M1D1D	21.36M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	43.56M	37.781M	37M8D1D	39.84M	37.541M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.36M	76.762M	76M8D1D	81M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.75M	16.792M	16M8D1D	15.523M	13.381M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.51M	19.1M	19M1D1D	15.61M	14.518M
802.11ax HEW40_Nss1,(MCS0)_2TX	51.3M	37.721M	37M7D1D	39.84M	33.771M
802.11ax HEW80_Nss1,(MCS0)_2TX	108M	77.121M	77M1D1D	81.36M	73.046M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.15M	4.408M	4M41D1D	3.15M	4.198M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.485M	4.768M	4M77D1D	4.47M	4.738M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.81M	19.1M	19M1D1D	3.81M	18.351M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.795M	24.063M	24M1D1D	3.72M	23.133M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.21M	16.732M	21.78M	16.702M
5300MHz	Pass	Inf	21.24M	16.732M	21.87M	16.702M
5320MHz	Pass	Inf	21.18M	16.732M	21.87M	16.702M
5500MHz	Pass	Inf	21.3M	16.732M	21.39M	16.702M
5580MHz	Pass	Inf	21.24M	16.792M	21.75M	16.702M
5700MHz	Pass	Inf	21.24M	16.762M	21.39M	16.672M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.523M	13.381M	15.855M	13.381M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	4.408M	3.15M	4.198M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.42M	19.04M	21.36M	19.1M
5300MHz	Pass	Inf	21.42M	19.04M	21.48M	19.1M
5320MHz	Pass	Inf	21.39M	19.04M	22.47M	19.1M
5500MHz	Pass	Inf	21.36M	19.04M	21.27M	19.1M
5580MHz	Pass	Inf	21.51M	19.04M	21.3M	19.07M
5700MHz	Pass	Inf	21.42M	19.01M	21.3M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.785M	14.518M	15.61M	14.518M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.485M	4.738M	4.47M	4.768M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.2M	37.601M	43.56M	37.781M
5310MHz	Pass	Inf	40.08M	37.541M	39.84M	37.601M
5510MHz	Pass	Inf	40.02M	37.541M	39.84M	37.601M
5550MHz	Pass	Inf	43.92M	37.661M	51.3M	37.721M
5670MHz	Pass	Inf	47.82M	37.661M	39.96M	37.661M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	42.263M	33.771M	40.125M	33.771M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.81M	19.1M	3.81M	18.351M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.36M	76.762M	81M	76.762M
5530MHz	Pass	Inf	81.36M	76.642M	81.36M	76.762M
5610MHz	Pass	Inf	81.48M	76.882M	108M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	89.9M	73.046M	89.823M	73.046M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.795M	24.063M	3.72M	23.133M

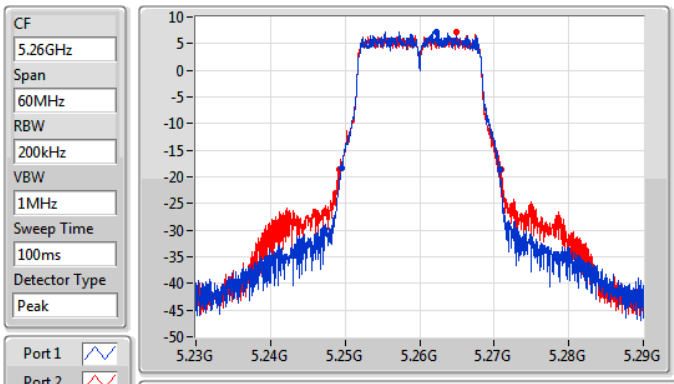
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

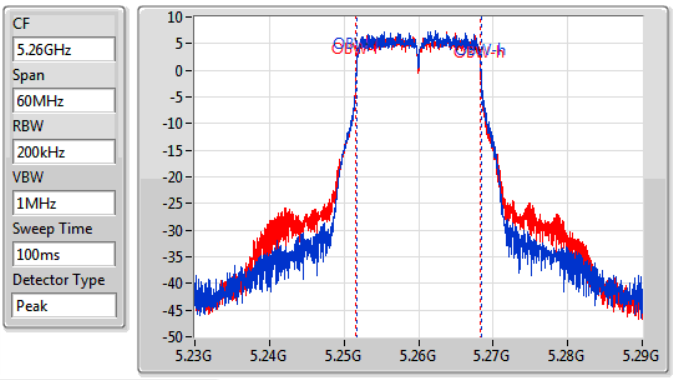
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5260MHz

15/07/2020



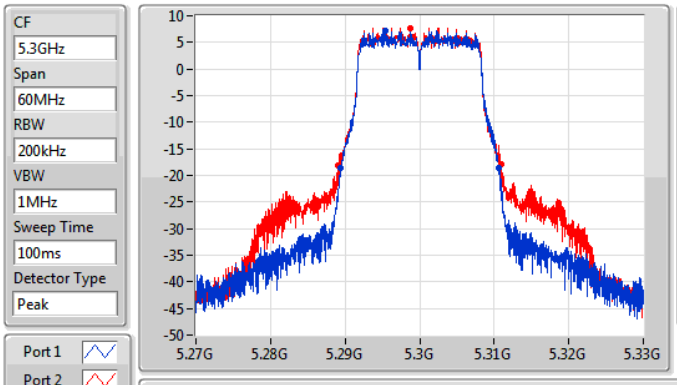


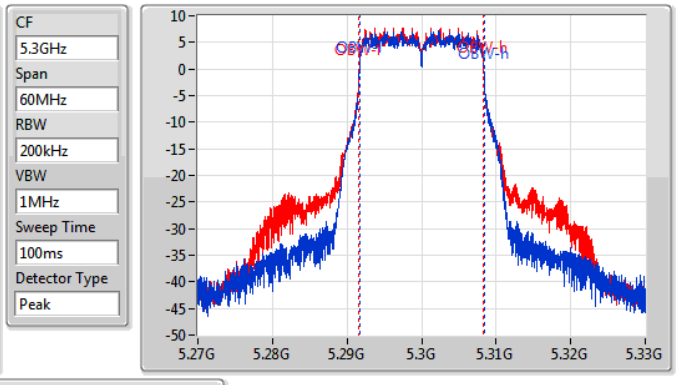
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.2495G	5.27071G	16.732M	5.251664G	5.268396G	Inf	1
21.78M	5.24914G	5.27092G	16.702M	5.251634G	5.268336G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5300MHz

15/07/2020





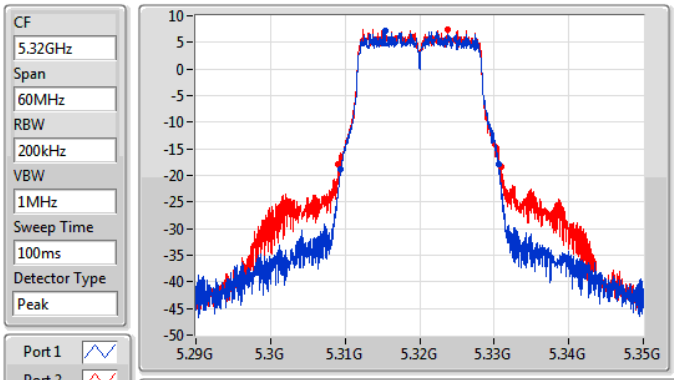
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.28944G	5.31068G	16.732M	5.291664G	5.308396G	Inf	1
21.87M	5.28908G	5.31095G	16.702M	5.291634G	5.308336G	Inf	2

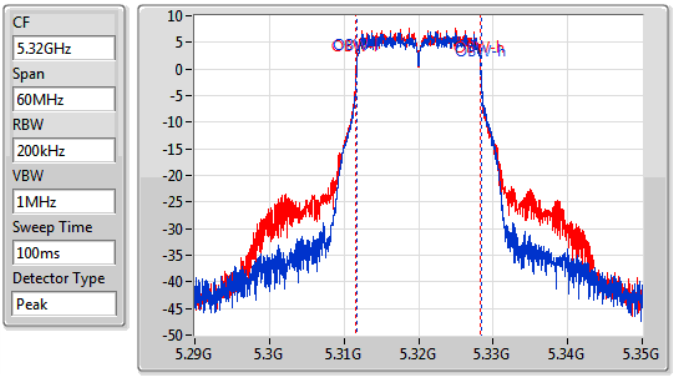
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5320MHz

15/07/2020



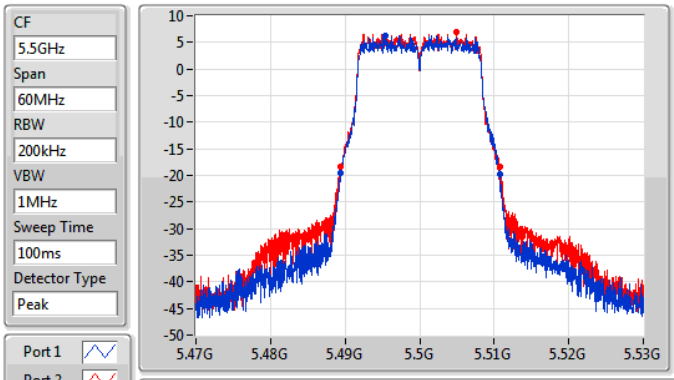


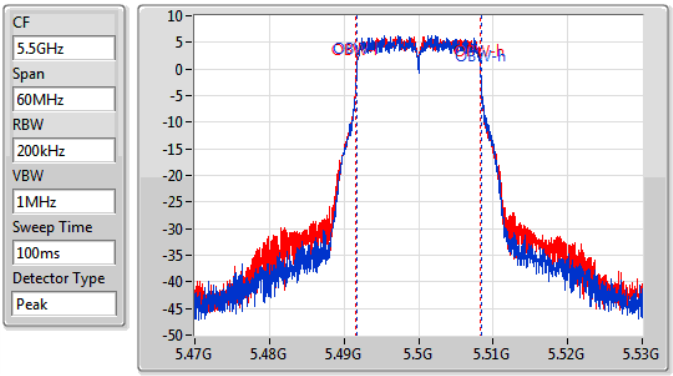
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.18M	5.30944G	5.33062G	16.732M	5.311664G	5.328396G	Inf	1
21.87M	5.30911G	5.33098G	16.702M	5.311634G	5.328336G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5500MHz

15/07/2020





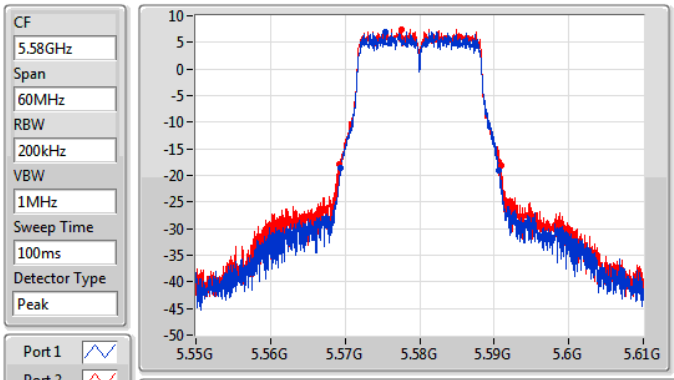
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.48944G	5.51074G	16.732M	5.491664G	5.508396G	Inf	1
21.39M	5.48935G	5.51074G	16.702M	5.491634G	5.508336G	Inf	2

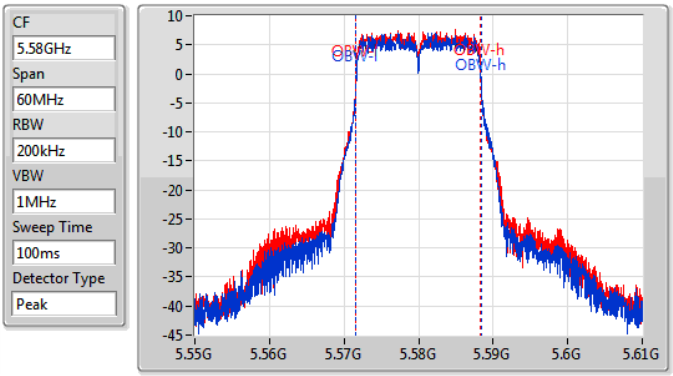
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5580MHz

15/07/2020



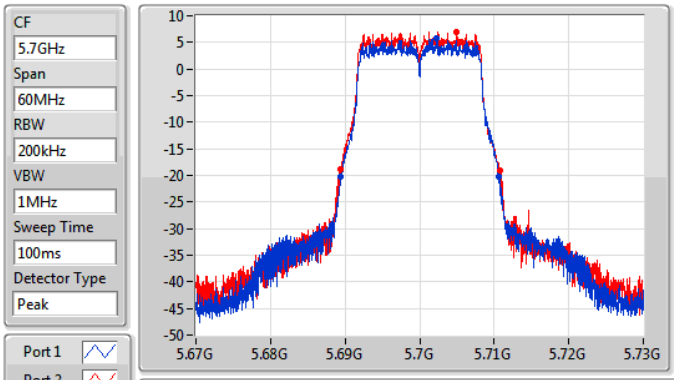


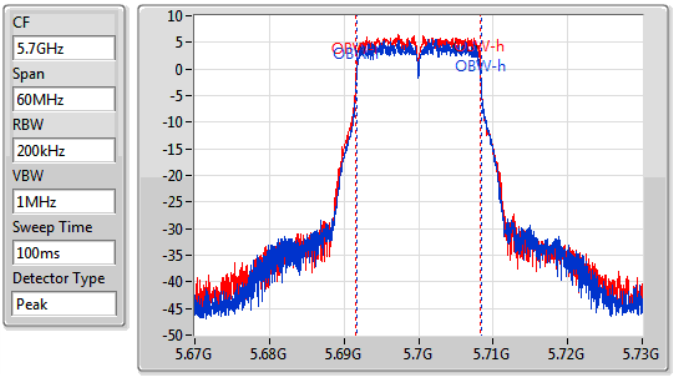
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.56944G	5.59068G	16.792M	5.571634G	5.588426G	Inf	1
21.75M	5.5692G	5.59095G	16.702M	5.571634G	5.588336G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5700MHz

15/07/2020





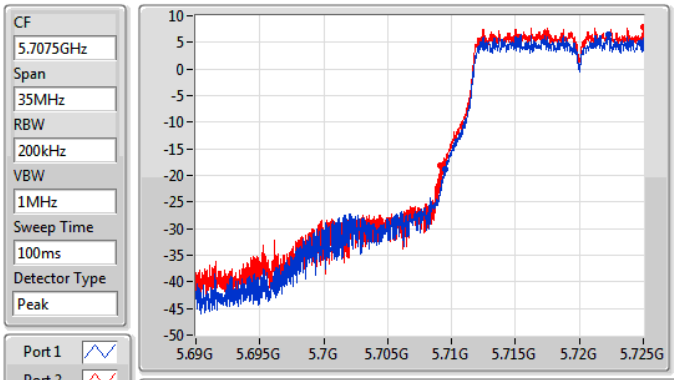
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.68941G	5.71065G	16.762M	5.691664G	5.708426G	Inf	1
21.39M	5.68938G	5.71077G	16.672M	5.691634G	5.708306G	Inf	2

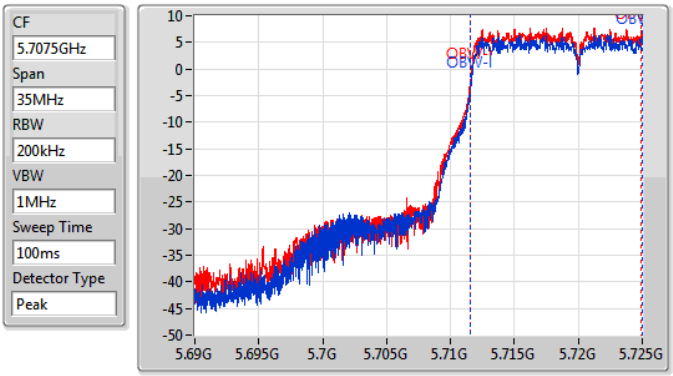
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

15/07/2020



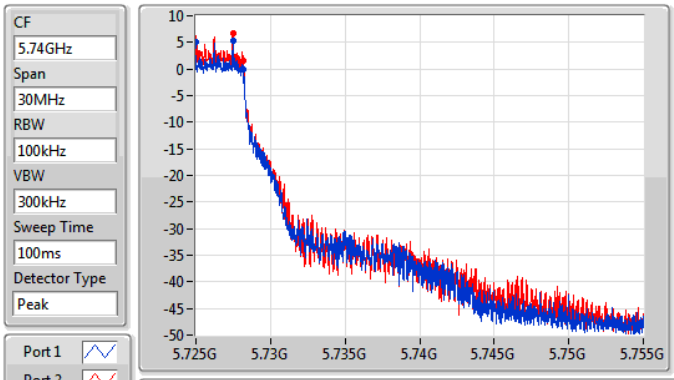


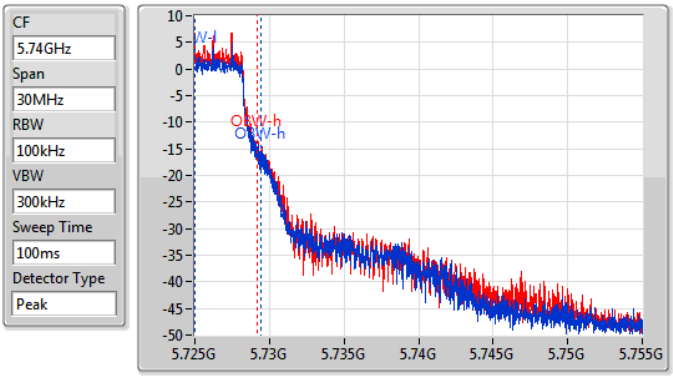
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.523M	5.709478G	5.725G	13.381M	5.711575G	5.724956G	Inf	1
15.855M	5.709145G	5.725G	13.381M	5.711558G	5.724939G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

15/07/2020





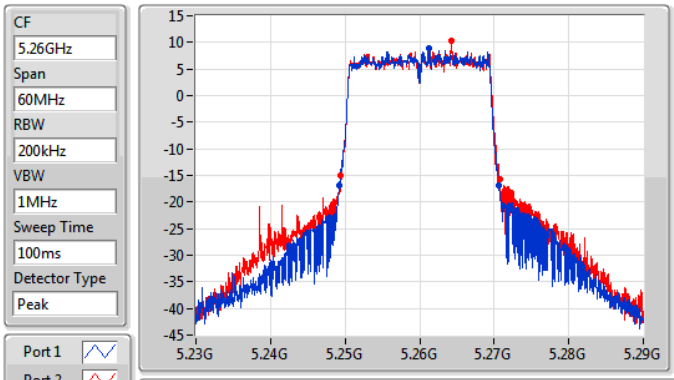
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.15M	5.725G	5.72815G	4.408M	5.725022G	5.72943G	500k	1
3.15M	5.725G	5.72815G	4.198M	5.725007G	5.729205G	500k	2

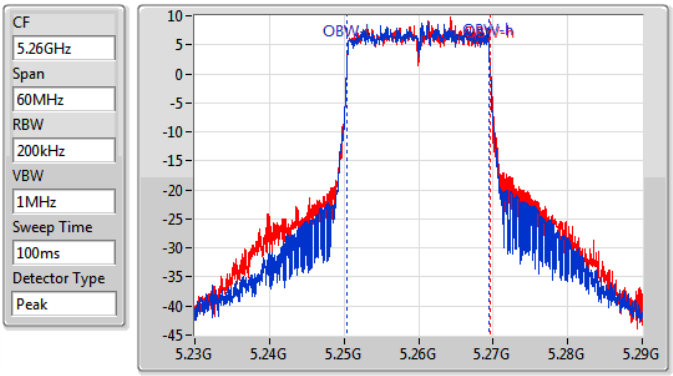
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5260MHz

15/07/2020



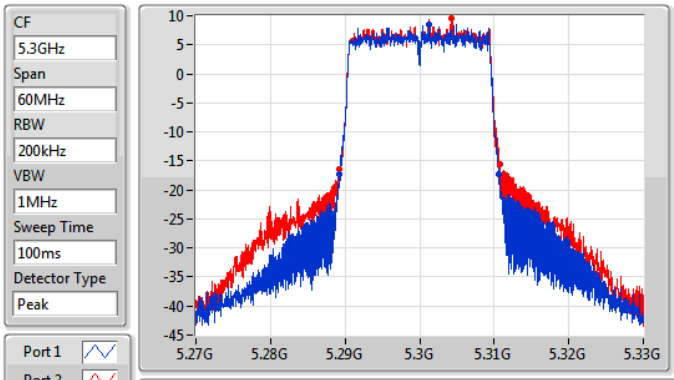


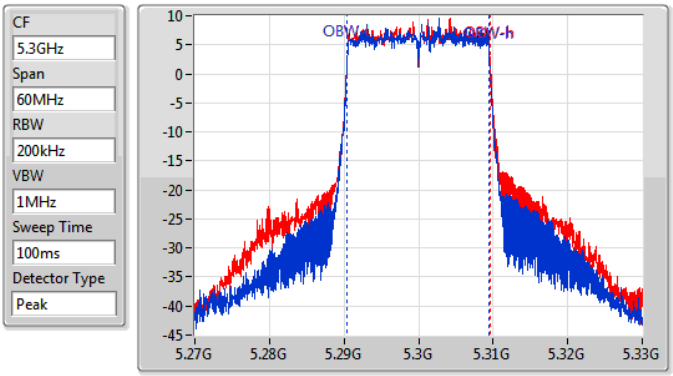
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.24923G	5.27065G	19.04M	5.250465G	5.269505G	Inf	1
21.36M	5.24938G	5.27074G	19.1M	5.250465G	5.269565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5300MHz

15/07/2020





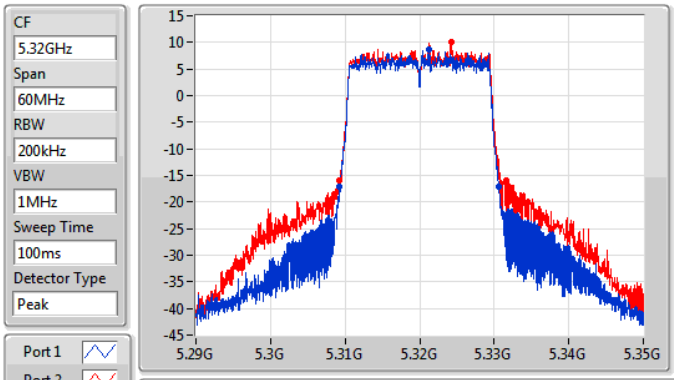
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.28923G	5.31065G	19.04M	5.290465G	5.309505G	Inf	1
21.48M	5.28923G	5.31071G	19.1M	5.290465G	5.309565G	Inf	2

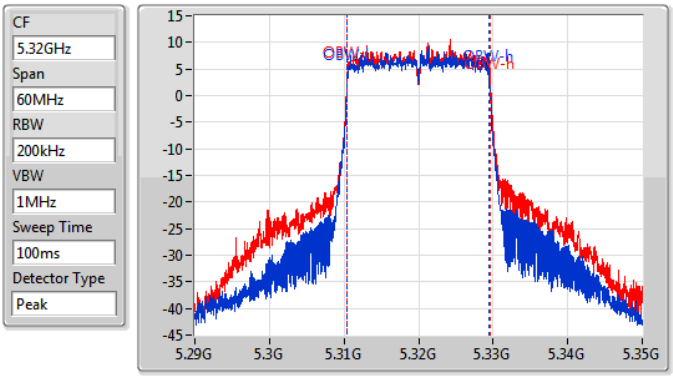
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5320MHz

15/07/2020



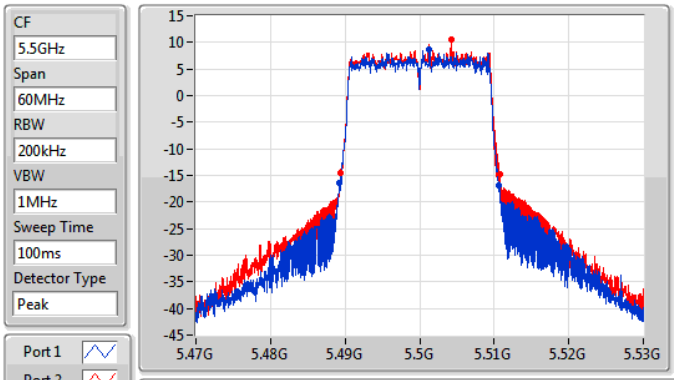


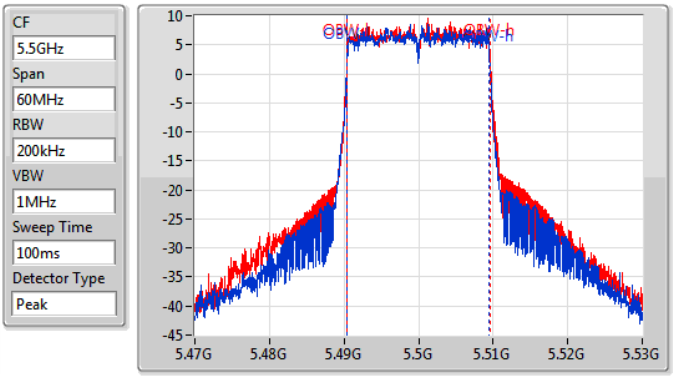
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.30923G	5.33062G	19.04M	5.310465G	5.329505G	Inf	1
22.47M	5.3092G	5.33167G	19.1M	5.310465G	5.329565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5500MHz

15/07/2020





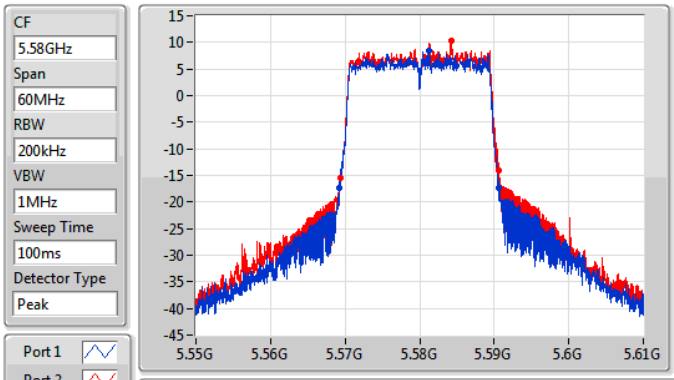
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.36M	5.48926G	5.51062G	19.04M	5.490465G	5.509505G	Inf	1
21.27M	5.48944G	5.51071G	19.1M	5.490465G	5.509565G	Inf	2

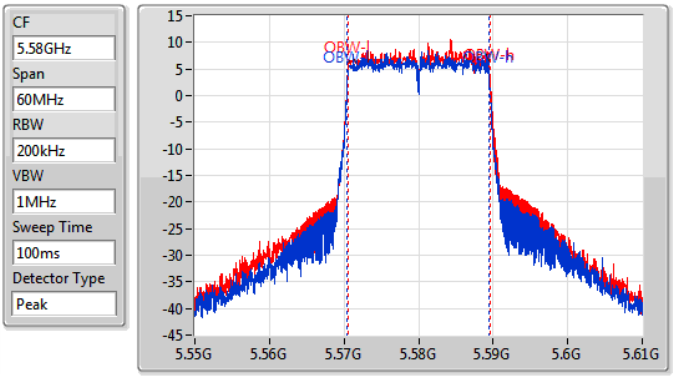
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5580MHz

15/07/2020



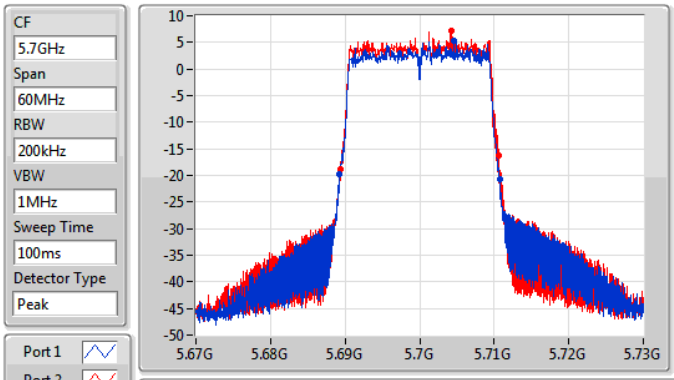


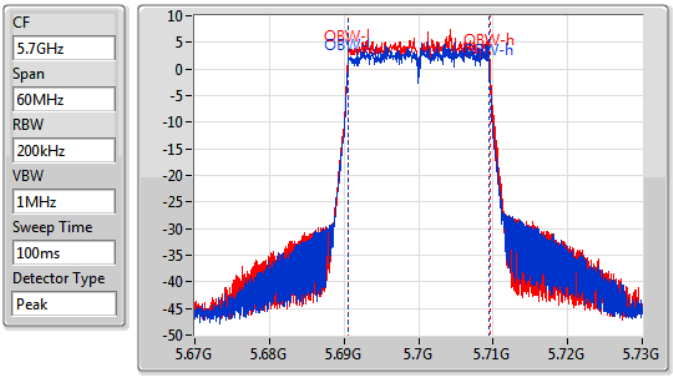
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.56917G	5.59068G	19.04M	5.570465G	5.589505G	Inf	1
21.3M	5.56938G	5.59068G	19.07M	5.570495G	5.589565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5700MHz

15/07/2020





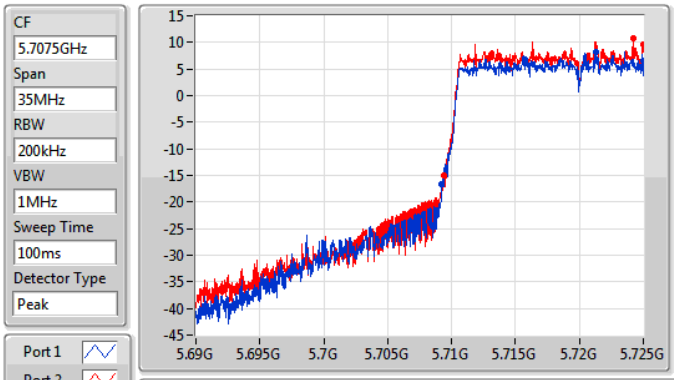
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.68929G	5.71071G	19.01M	5.690495G	5.709505G	Inf	1
21.3M	5.68932G	5.71062G	19.04M	5.690495G	5.709535G	Inf	2

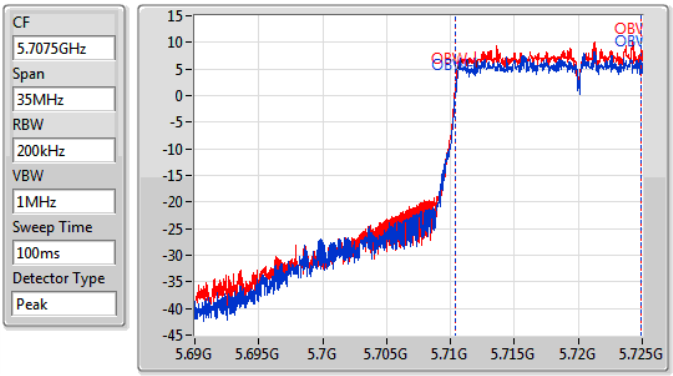
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

15/07/2020



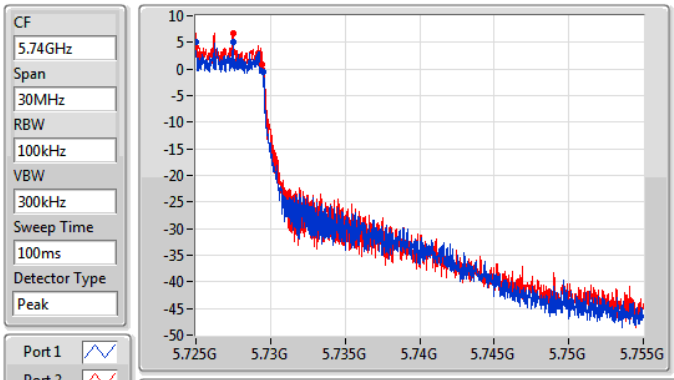


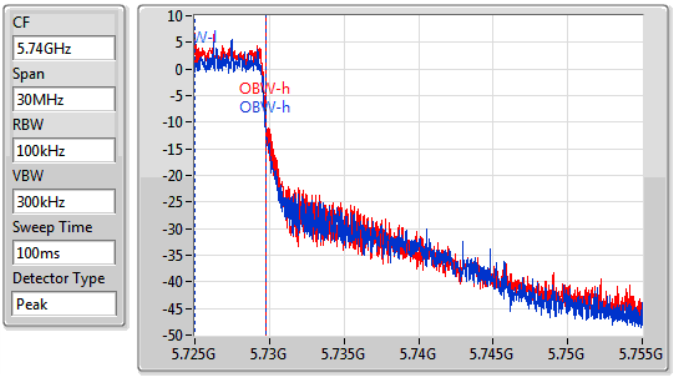
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.785M	5.709215G	5.725G	14.518M	5.710404G	5.724921G	Inf	1
15.61M	5.70939G	5.725G	14.518M	5.710421G	5.724939G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

15/07/2020





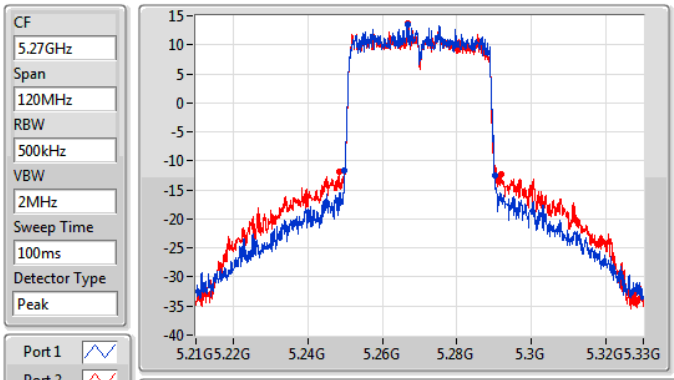
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.485M	5.725G	5.729485G	4.738M	5.725037G	5.729775G	500k	1
4.47M	5.725G	5.72947G	4.768M	5.725022G	5.72979G	500k	2

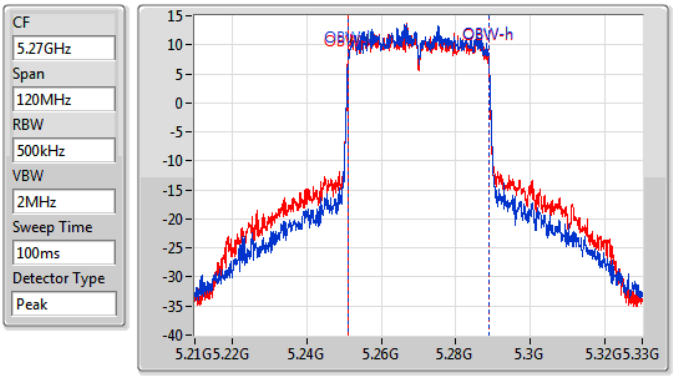
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5270MHz

15/07/2020



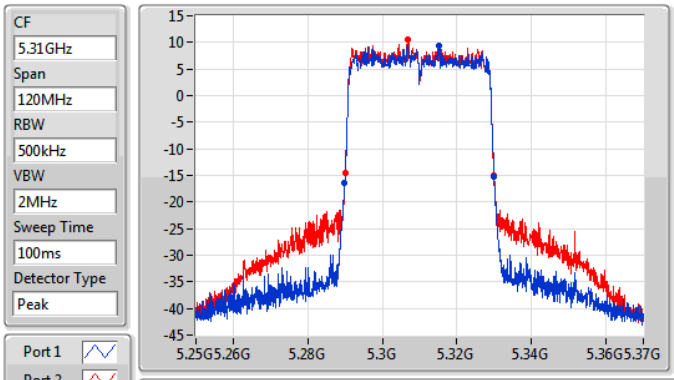


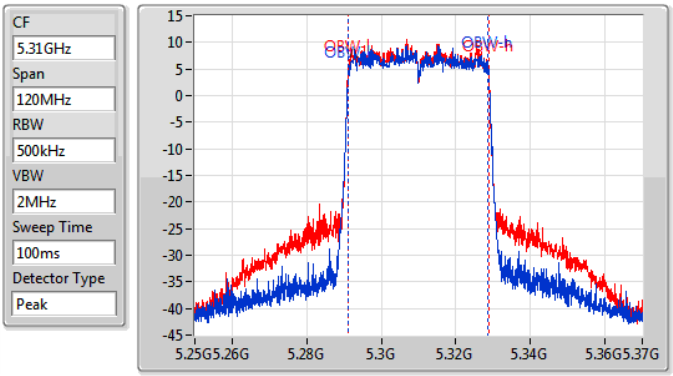
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.2499G	5.2901G	37.601M	5.251169G	5.288771G	Inf	1
43.56M	5.24834G	5.2919G	37.781M	5.251049G	5.288831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5310MHz

15/07/2020





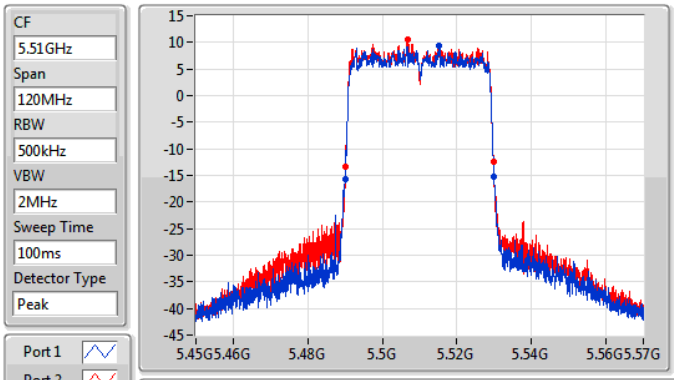
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.2899G	5.32998G	37.541M	5.291169G	5.328711G	Inf	1
39.84M	5.29008G	5.32992G	37.601M	5.291169G	5.328771G	Inf	2

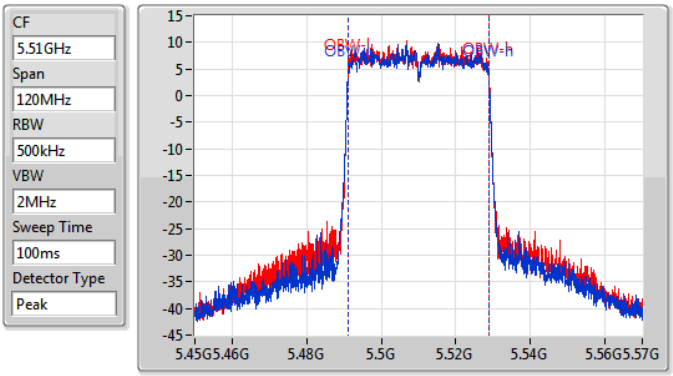
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5510MHz

15/07/2020



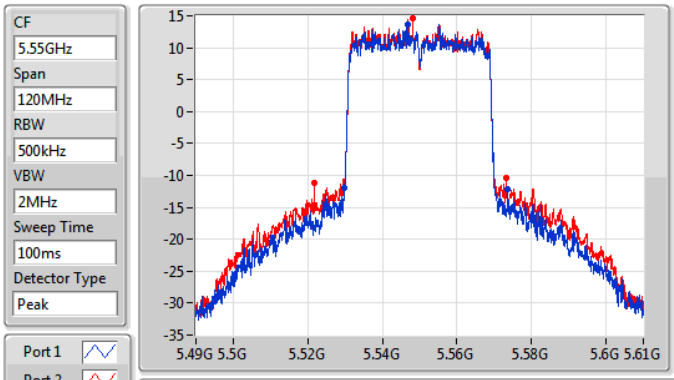


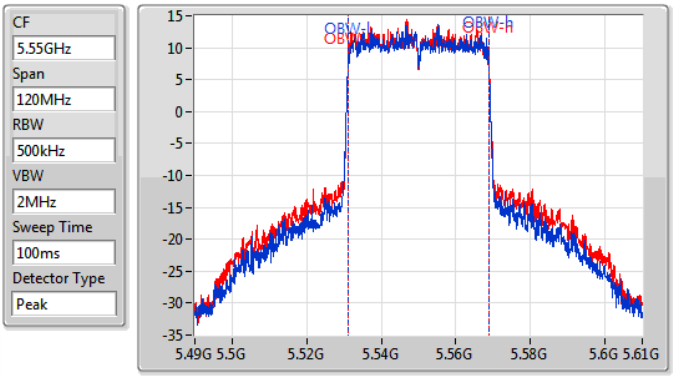
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.48996G	5.52998G	37.541M	5.491229G	5.528771G	Inf	1
39.84M	5.49014G	5.52998G	37.601M	5.491169G	5.528771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5550MHz

15/07/2020





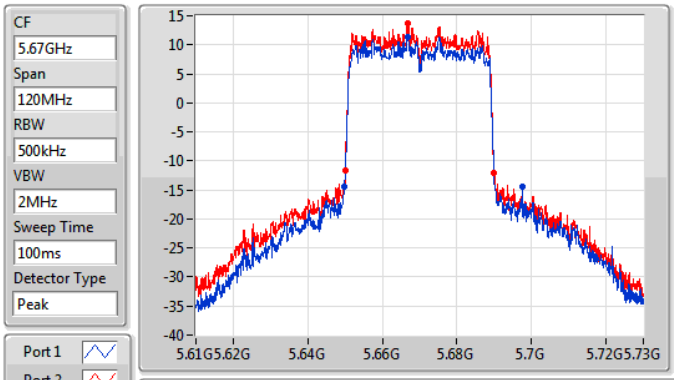
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.92M	5.52978G	5.5737G	37.661M	5.531109G	5.568771G	Inf	1
51.3M	5.5218G	5.5731G	37.721M	5.531109G	5.568831G	Inf	2

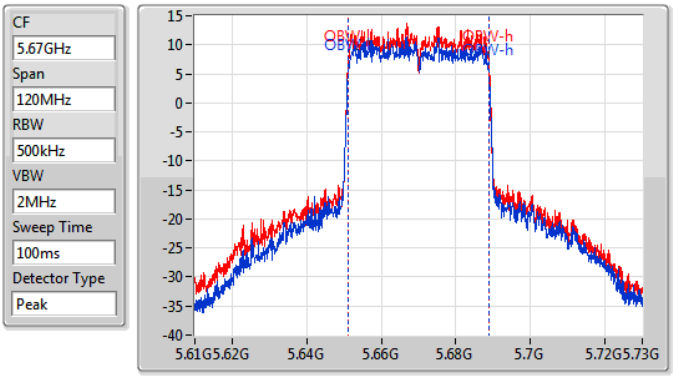
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5670MHz

15/07/2020



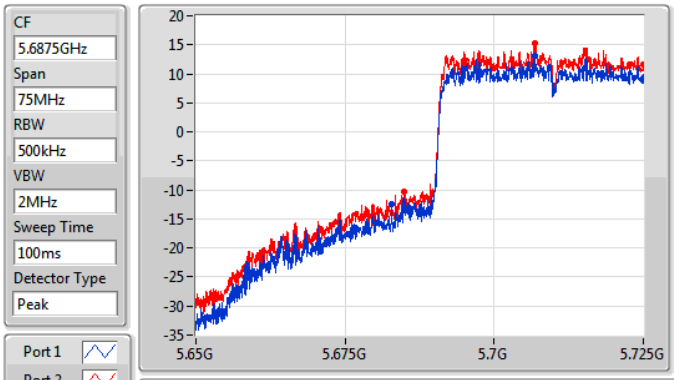


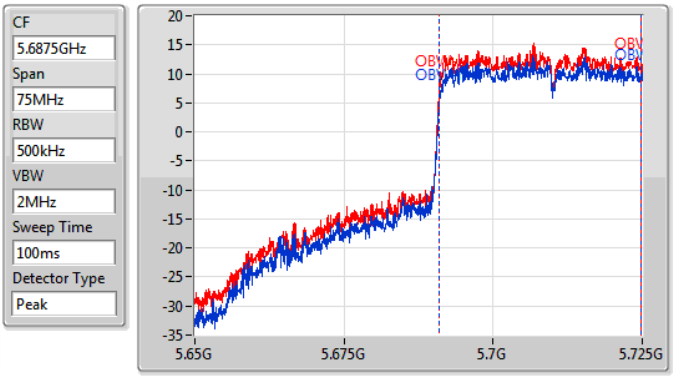
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
47.82M	5.64978G	5.6976G	37.661M	5.651169G	5.688831G	Inf	1
39.96M	5.65008G	5.69004G	37.661M	5.651169G	5.688831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.47-5.725GHz

15/07/2020





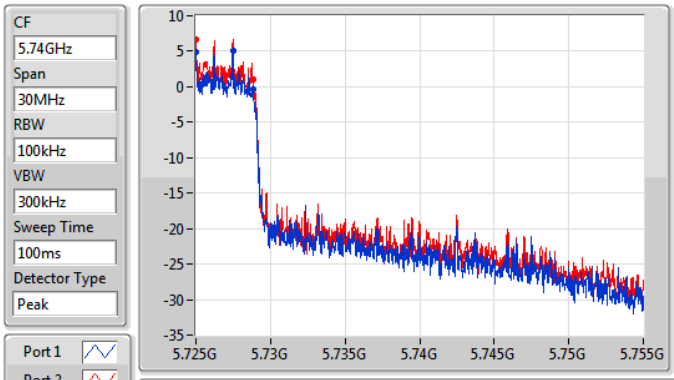
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.263M	5.682738G	5.725G	33.771M	5.691023G	5.724794G	Inf	1
40.125M	5.684875G	5.725G	33.771M	5.691023G	5.724794G	Inf	2

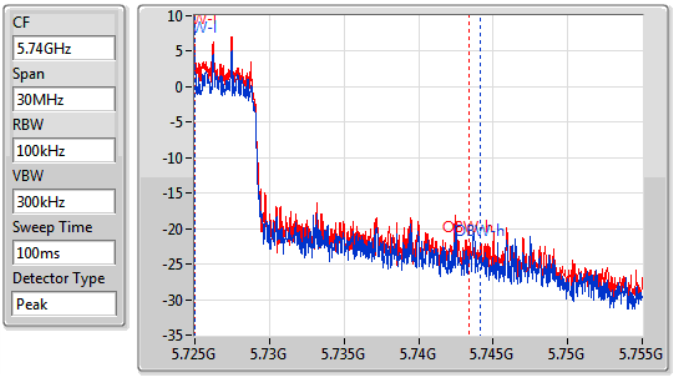
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.725-5.85GHz

15/07/2020



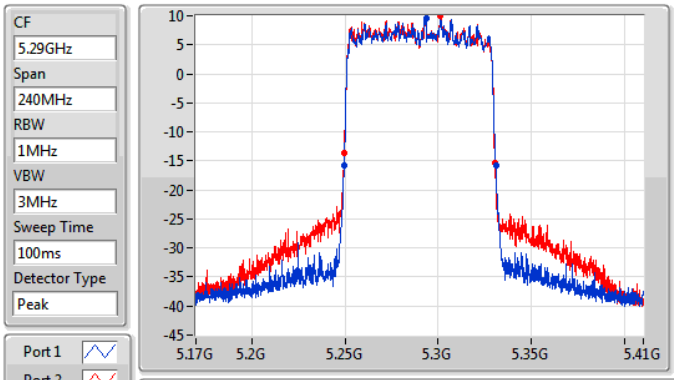


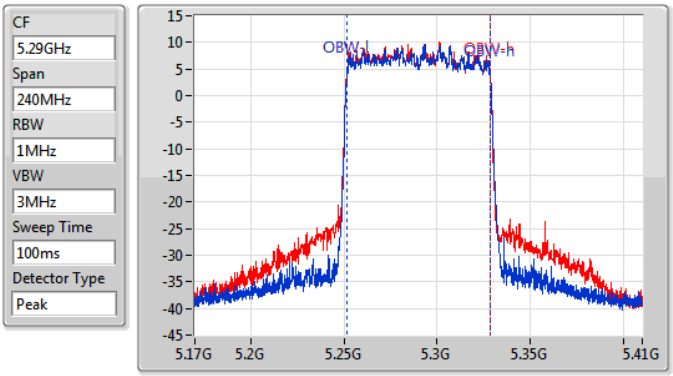
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.81M	5.725G	5.72881G	19.1M	5.725007G	5.744108G	500k	1
3.81M	5.725G	5.72881G	18.351M	5.725022G	5.743373G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5290MHz

15/07/2020





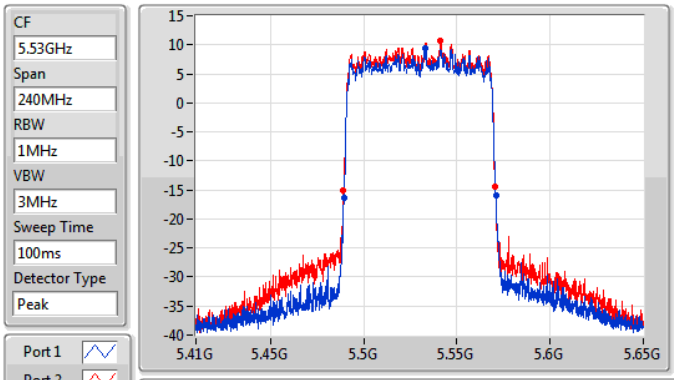
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.24944G	5.3308G	76.762M	5.251619G	5.328381G	Inf	1
81M	5.24944G	5.33044G	76.762M	5.251619G	5.328381G	Inf	2

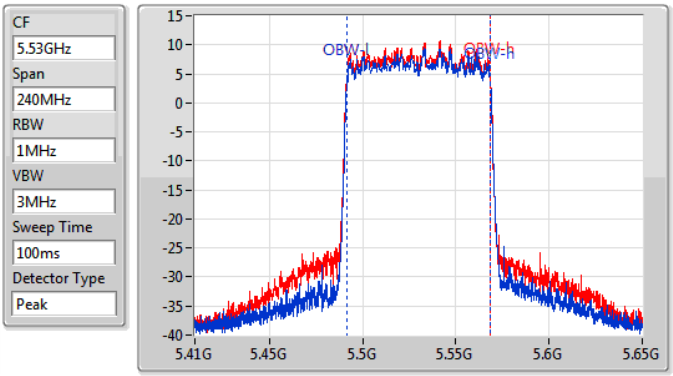
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5530MHz

15/07/2020



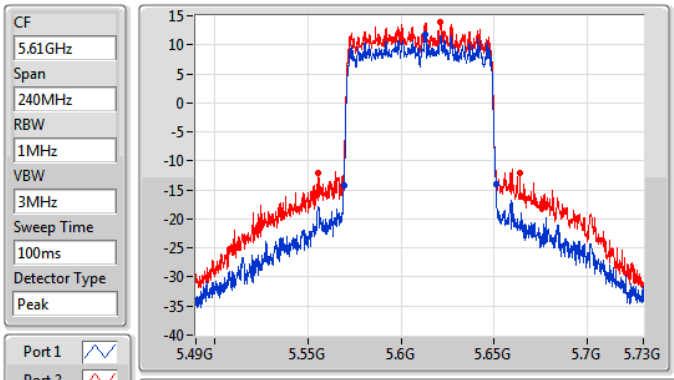


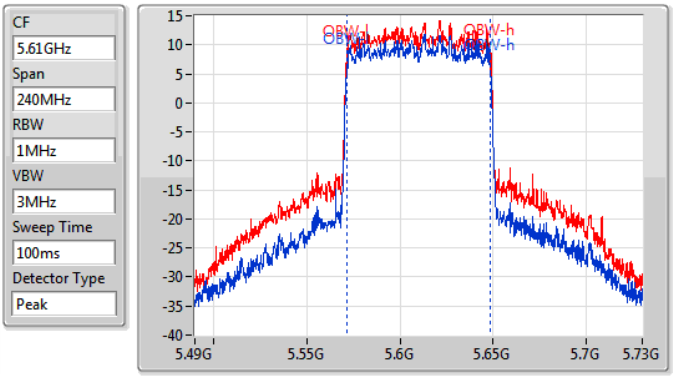
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.48944G	5.5708G	76.642M	5.491739G	5.568381G	Inf	1
81.36M	5.48908G	5.57044G	76.762M	5.491619G	5.568381G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5610MHz

15/07/2020





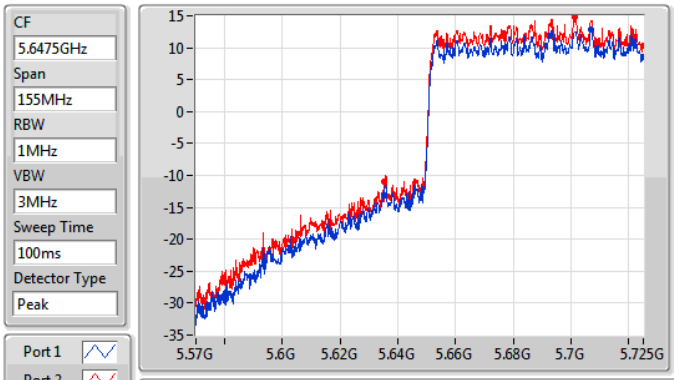
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.56944G	5.65092G	76.882M	5.571619G	5.648501G	Inf	1
108M	5.55564G	5.66364G	77.121M	5.571499G	5.648621G	Inf	2

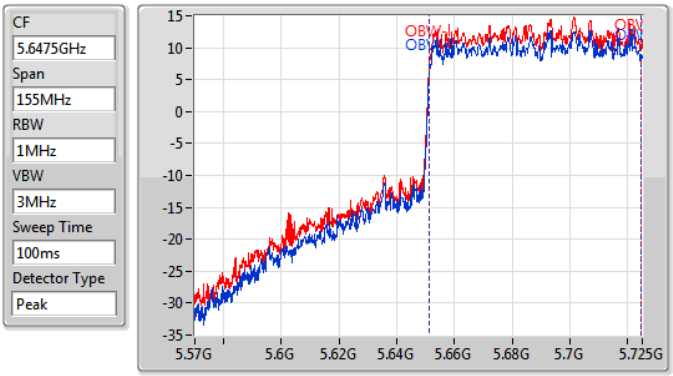
For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5690MHz Straddle 5.47-5.725GHz

15/07/2020



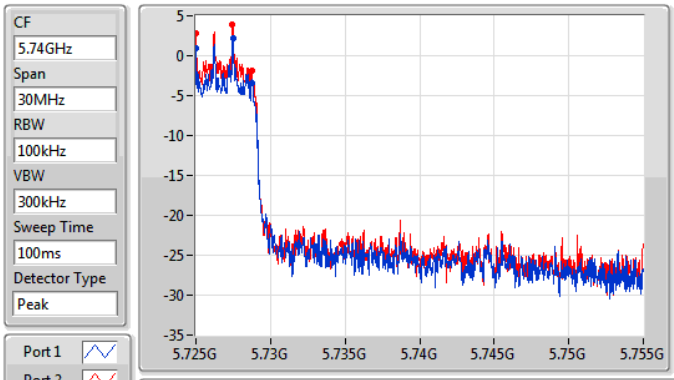


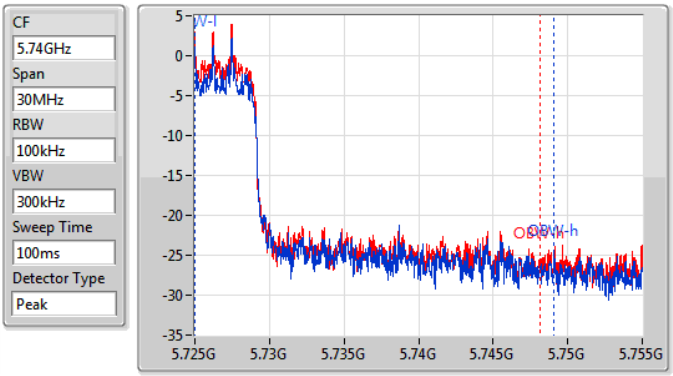
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
89.9M	5.6351G	5.725G	73.046M	5.651373G	5.724419G	Inf	1
89.823M	5.635178G	5.725G	73.046M	5.651373G	5.724419G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5690MHz Straddle 5.725-5.85GHz

15/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.795M	5.725G	5.728795G	24.063M	5.725007G	5.74907G	500k	1
3.72M	5.725G	5.72872G	23.133M	5.725007G	5.748141G	500k	2

For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.39M	16.822M	16M8D1D	21.06M	16.672M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.57M	19.16M	19M2D1D	21.27M	19.01M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.14M	37.541M	37M5D1D	39.84M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.72M	76.762M	76M8D1D	81.24M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.45M	16.822M	16M8D1D	15.593M	13.346M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.63M	19.07M	19M1D1D	15.558M	14.5M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.601M	37M6D1D	34.913M	33.583M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.72M	76.882M	76M9D1D	75.485M	72.814M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.15M	4.378M	4M38D1D	3.15M	4.243M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.56M	4.753M	4M75D1D	4.44M	4.663M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.765M	4.108M	4M11D1D	3.63M	4.093M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.855M	4.693M	4M69D1D	3.6M	4.138M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.06M	16.762M	21.39M	16.792M	21.36M	16.762M	21.24M	16.672M
5300MHz	Pass	Inf	21.18M	16.732M	21.3M	16.792M	21.36M	16.762M	21.15M	16.672M
5320MHz	Pass	Inf	21.15M	16.732M	21.33M	16.822M	21.36M	16.762M	21.33M	16.672M
5500MHz	Pass	Inf	21.21M	16.702M	21.45M	16.792M	21.3M	16.762M	21.33M	16.672M
5580MHz	Pass	Inf	21.24M	16.732M	21.21M	16.822M	21.27M	16.762M	21.27M	16.642M
5700MHz	Pass	Inf	21.21M	16.732M	21.27M	16.792M	21.3M	16.762M	21.33M	16.702M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.593M	13.346M	15.645M	13.398M	15.733M	13.416M	15.61M	13.346M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	4.318M	3.15M	4.378M	3.15M	4.273M	3.15M	4.243M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.48M	19.01M	21.36M	19.04M	21.51M	19.07M	21.42M	19.04M
5300MHz	Pass	Inf	21.39M	19.01M	21.27M	19.04M	21.42M	19.07M	21.54M	19.16M
5320MHz	Pass	Inf	21.45M	19.01M	21.45M	19.04M	21.57M	19.07M	21.57M	19.07M
5500MHz	Pass	Inf	21.39M	19.01M	21.45M	19.01M	21.48M	19.07M	21.54M	19.07M
5580MHz	Pass	Inf	21.42M	19.01M	21.42M	19.01M	21.63M	19.07M	21.6M	19.07M
5700MHz	Pass	Inf	21.3M	19.01M	21.36M	19.04M	21.51M	19.07M	21.51M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.768M	14.518M	15.698M	14.5M	15.75M	14.535M	15.558M	14.518M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.47M	4.663M	4.485M	4.723M	4.44M	4.723M	4.56M	4.753M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.14M	37.541M	39.84M	37.481M	39.96M	37.481M	40.08M	37.541M
5310MHz	Pass	Inf	40.08M	37.541M	39.84M	37.541M	40.02M	37.541M	39.9M	37.541M
5510MHz	Pass	Inf	40.14M	37.481M	39.84M	37.541M	39.96M	37.481M	40.02M	37.541M
5550MHz	Pass	Inf	40.08M	37.481M	39.84M	37.481M	39.96M	37.541M	40.02M	37.541M
5670MHz	Pass	Inf	40.2M	37.541M	39.9M	37.601M	40.02M	37.541M	40.02M	37.601M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.063M	33.621M	34.913M	33.583M	34.95M	33.658M	35.138M	33.733M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.765M	4.108M	3.735M	4.093M	3.735M	4.093M	3.63M	4.108M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.36M	76.762M	81.24M	76.762M	81.48M	76.762M	81.72M	76.762M
5530MHz	Pass	Inf	81.36M	76.762M	81.36M	76.762M	81.48M	76.762M	81.72M	76.642M
5610MHz	Pass	Inf	81.24M	76.762M	81.36M	76.882M	81.24M	76.882M	81.72M	76.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.485M	72.814M	75.563M	72.814M	75.873M	72.814M	75.873M	72.814M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.675M	4.153M	3.765M	4.138M	3.6M	4.693M	3.855M	4.273M

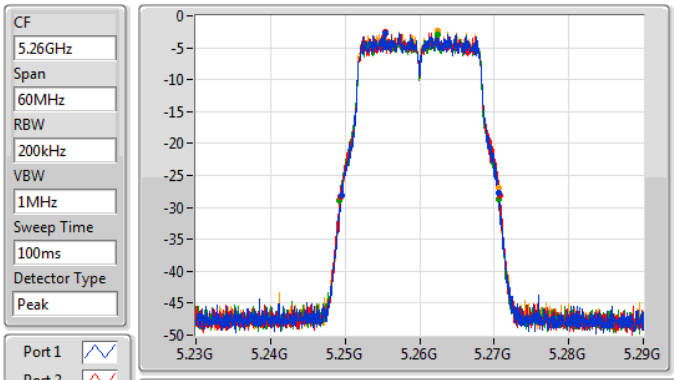
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

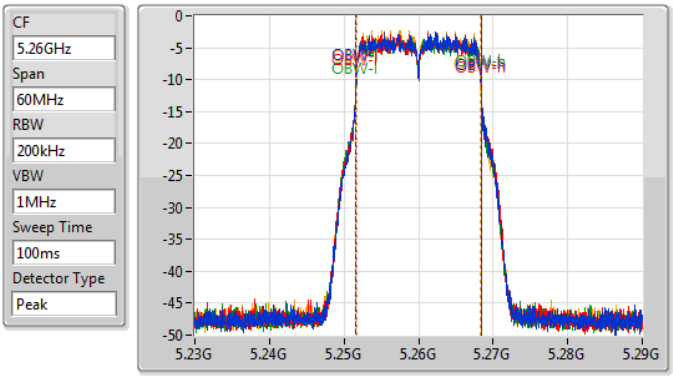
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5260MHz

15/07/2020



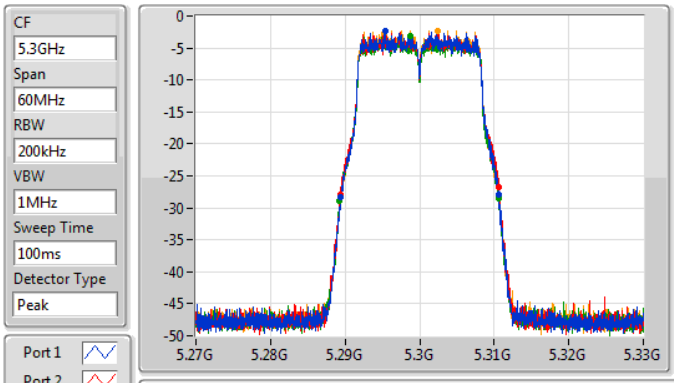


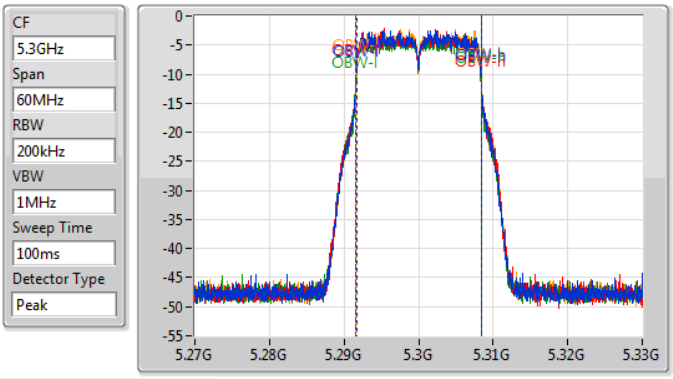
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.06M	5.2495G	5.27056G	16.762M	5.251634G	5.268396G	Inf	1
21.39M	5.24938G	5.27077G	16.792M	5.251634G	5.268426G	Inf	2
21.36M	5.24929G	5.27065G	16.762M	5.251604G	5.268366G	Inf	3
21.24M	5.24935G	5.27059G	16.672M	5.251664G	5.268336G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5300MHz

15/07/2020





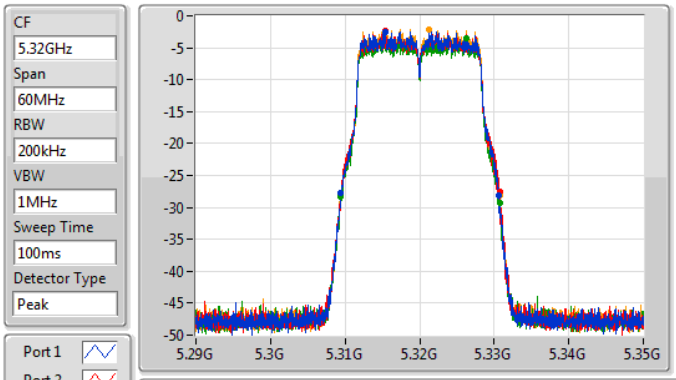
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.18M	5.28944G	5.31062G	16.732M	5.291664G	5.308396G	Inf	1
21.3M	5.28935G	5.31065G	16.792M	5.291634G	5.308426G	Inf	2
21.36M	5.28926G	5.31062G	16.762M	5.291604G	5.308366G	Inf	3
21.15M	5.28947G	5.31062G	16.672M	5.291694G	5.308366G	Inf	4

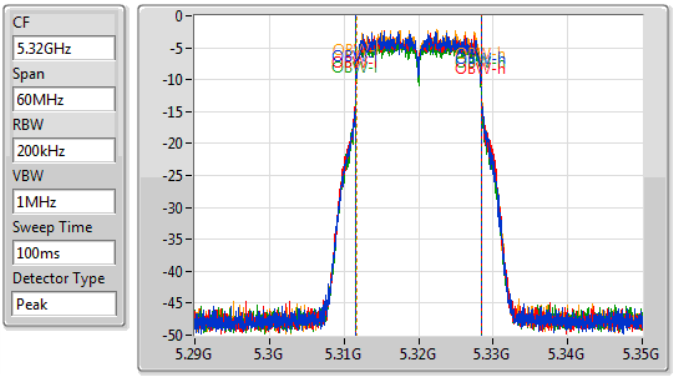
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5320MHz

15/07/2020



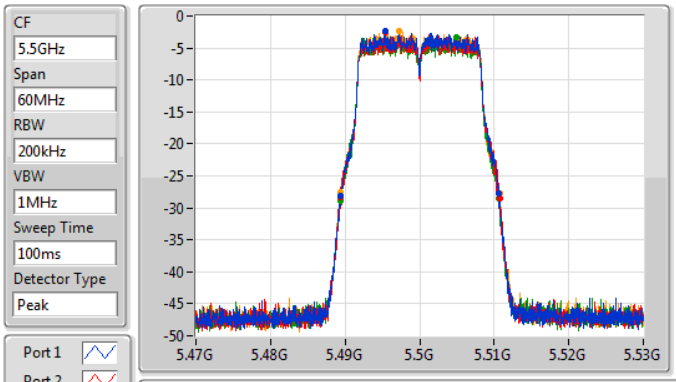


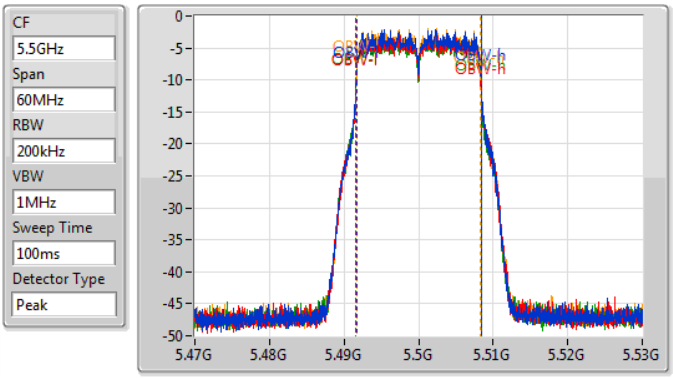
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.15M	5.30947G	5.33062G	16.732M	5.311634G	5.328366G	Inf	1
21.33M	5.30938G	5.33071G	16.822M	5.311604G	5.328426G	Inf	2
21.36M	5.30935G	5.33071G	16.762M	5.311604G	5.328366G	Inf	3
21.33M	5.30941G	5.33074G	16.672M	5.311694G	5.328366G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5500MHz

15/07/2020





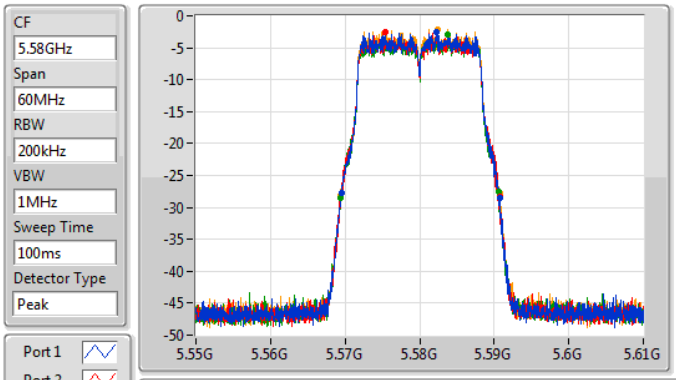
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.48944G	5.51065G	16.702M	5.491664G	5.508366G	Inf	1
21.45M	5.48935G	5.5108G	16.792M	5.491634G	5.508426G	Inf	2
21.3M	5.48932G	5.51062G	16.762M	5.491604G	5.508366G	Inf	3
21.33M	5.48941G	5.51074G	16.672M	5.491664G	5.508336G	Inf	4

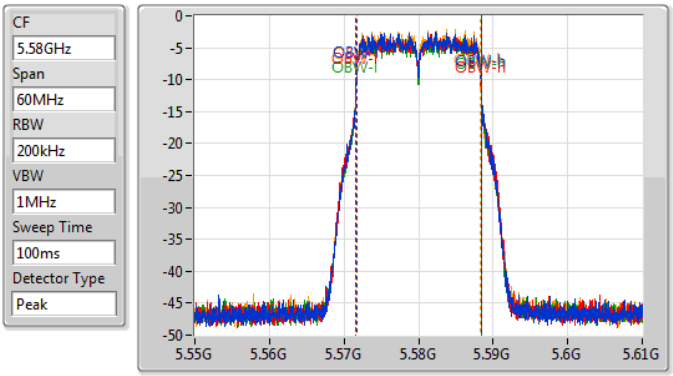
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5580MHz

15/07/2020



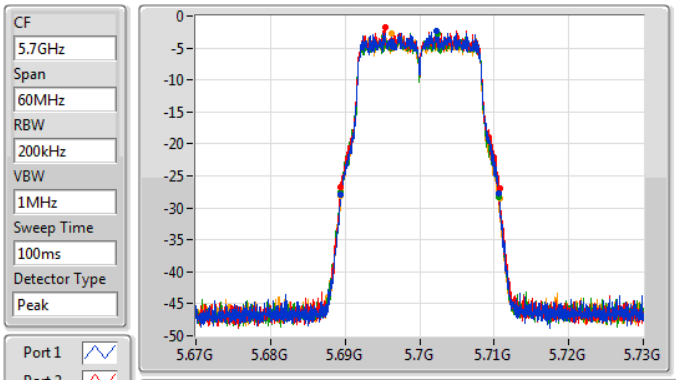


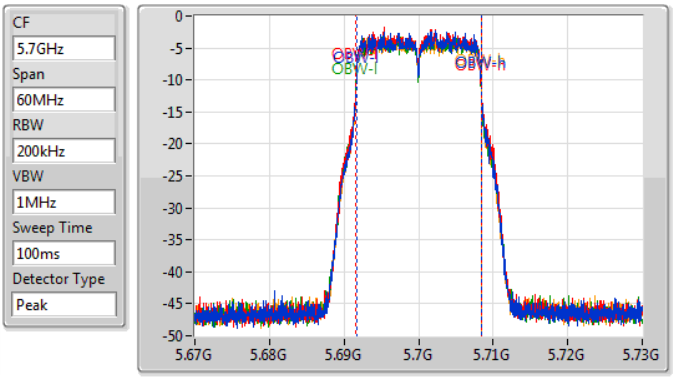
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.5695G	5.59074G	16.732M	5.571664G	5.588396G	Inf	1
21.21M	5.5695G	5.59071G	16.822M	5.571604G	5.588426G	Inf	2
21.27M	5.56932G	5.59059G	16.762M	5.571604G	5.588366G	Inf	3
21.27M	5.56944G	5.59071G	16.642M	5.571694G	5.588336G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5700MHz

15/07/2020





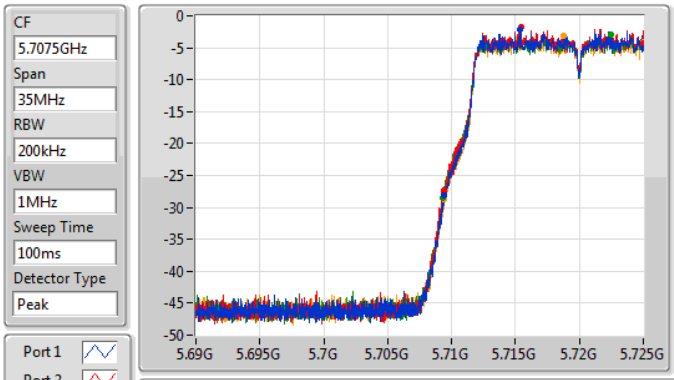
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.68944G	5.71065G	16.732M	5.691664G	5.708396G	Inf	1
21.27M	5.68947G	5.71074G	16.792M	5.691634G	5.708426G	Inf	2
21.3M	5.68935G	5.71065G	16.762M	5.691604G	5.708366G	Inf	3
21.33M	5.68941G	5.71074G	16.702M	5.691664G	5.708366G	Inf	4

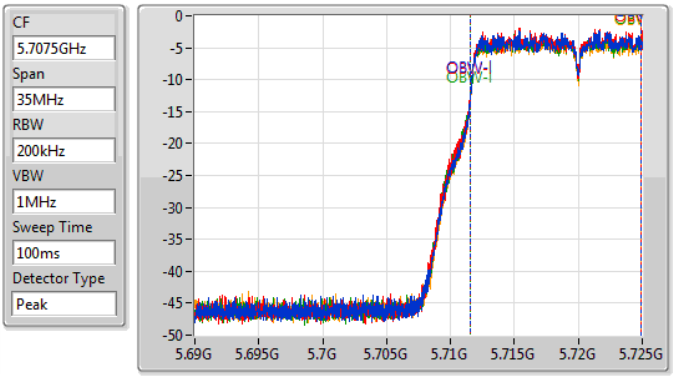
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

15/07/2020



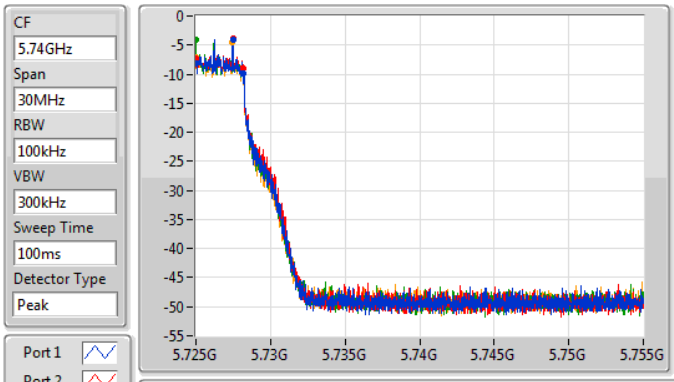


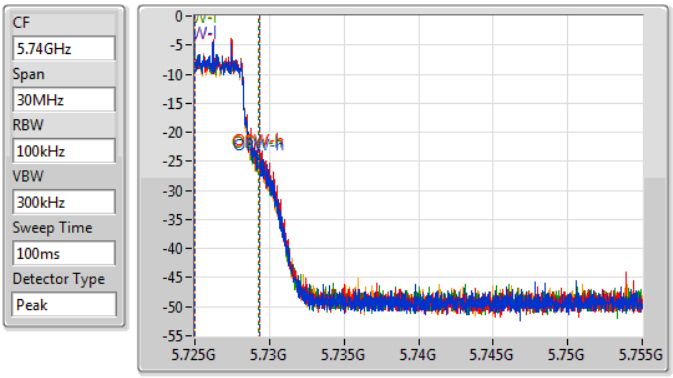
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.593M	5.709408G	5.725G	13.346M	5.711593G	5.724939G	Inf	1
15.645M	5.709355G	5.725G	13.398M	5.71154G	5.724939G	Inf	2
15.733M	5.709268G	5.725G	13.416M	5.711523G	5.724939G	Inf	3
15.61M	5.70939G	5.725G	13.346M	5.711593G	5.724939G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

15/07/2020





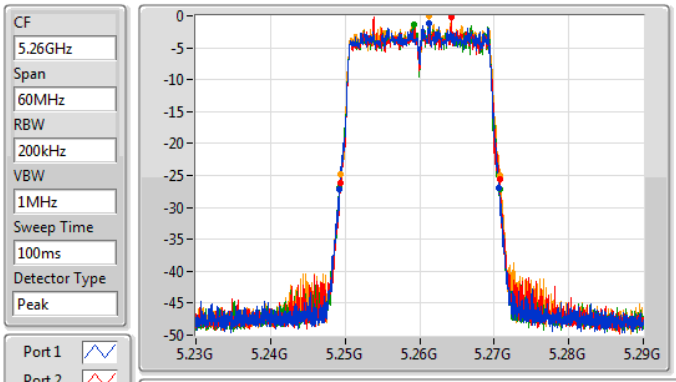
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.15M	5.725G	5.72815G	4.318M	5.725007G	5.729325G	500k	1
3.15M	5.725G	5.72815G	4.378M	5.725007G	5.729385G	500k	2
3.15M	5.725G	5.72815G	4.273M	5.725007G	5.72928G	500k	3
3.15M	5.725G	5.72815G	4.243M	5.725007G	5.72925G	500k	4

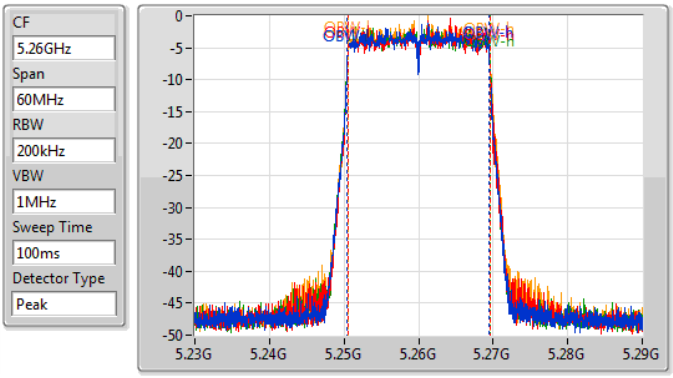
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5260MHz

15/07/2020



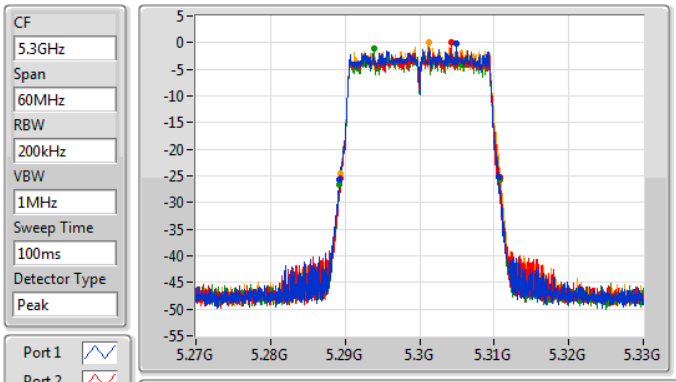


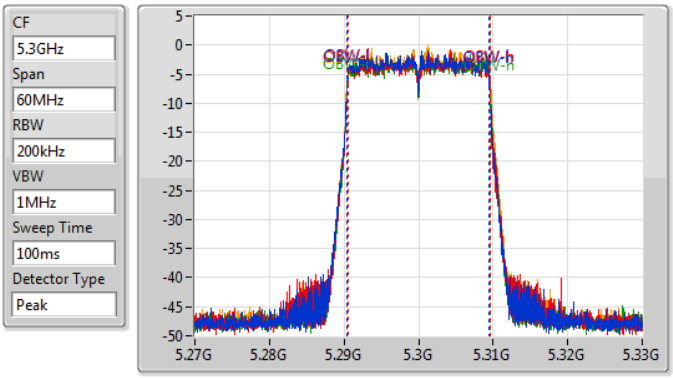
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.2492G	5.27068G	19.01M	5.250465G	5.269475G	Inf	1
21.36M	5.24938G	5.27074G	19.04M	5.250495G	5.269535G	Inf	2
21.51M	5.24926G	5.27077G	19.07M	5.250465G	5.269535G	Inf	3
21.42M	5.24935G	5.27077G	19.04M	5.250495G	5.269535G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5300MHz

15/07/2020





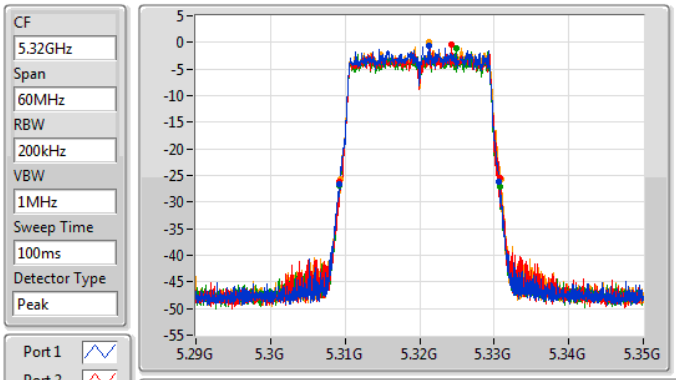
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.28926G	5.31065G	19.01M	5.290465G	5.309475G	Inf	1
21.27M	5.28944G	5.31071G	19.04M	5.290495G	5.309535G	Inf	2
21.42M	5.28929G	5.31071G	19.07M	5.290465G	5.309535G	Inf	3
21.54M	5.28932G	5.31086G	19.16M	5.290465G	5.309625G	Inf	4

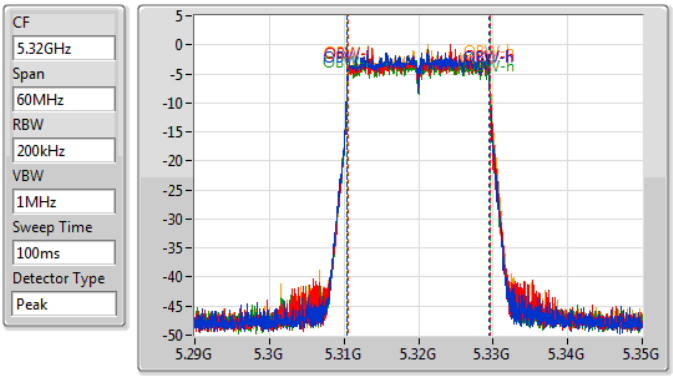
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5320MHz

15/07/2020



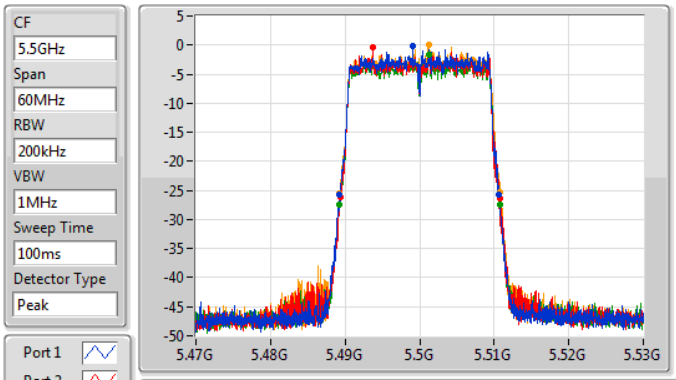


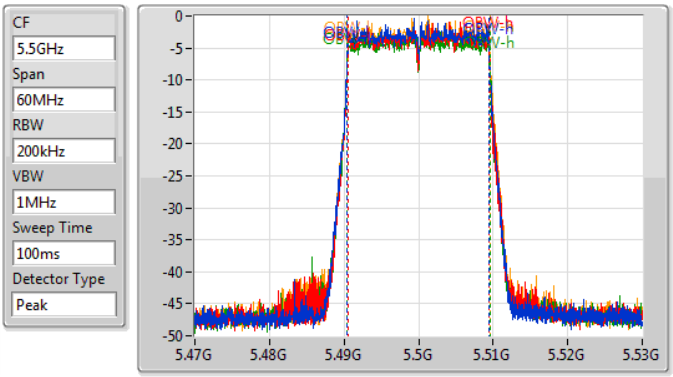
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.30923G	5.33068G	19.01M	5.310465G	5.329475G	Inf	1
21.45M	5.30929G	5.33074G	19.04M	5.310495G	5.329535G	Inf	2
21.57M	5.30923G	5.3308G	19.07M	5.310465G	5.329535G	Inf	3
21.57M	5.30932G	5.33089G	19.07M	5.310495G	5.329565G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5500MHz

15/07/2020





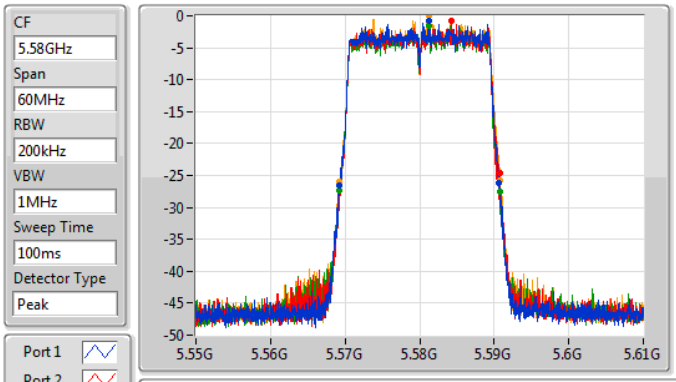
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.48926G	5.51065G	19.01M	5.490465G	5.509475G	Inf	1
21.45M	5.48935G	5.5108G	19.01M	5.490495G	5.509505G	Inf	2
21.48M	5.48923G	5.51071G	19.07M	5.490465G	5.509535G	Inf	3
21.54M	5.48929G	5.51083G	19.07M	5.490495G	5.509565G	Inf	4

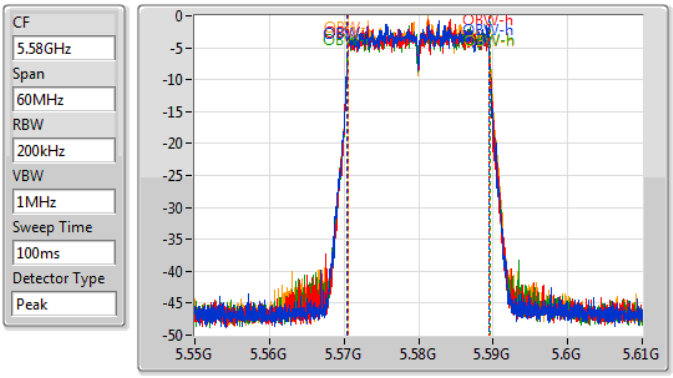
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5580MHz

15/07/2020



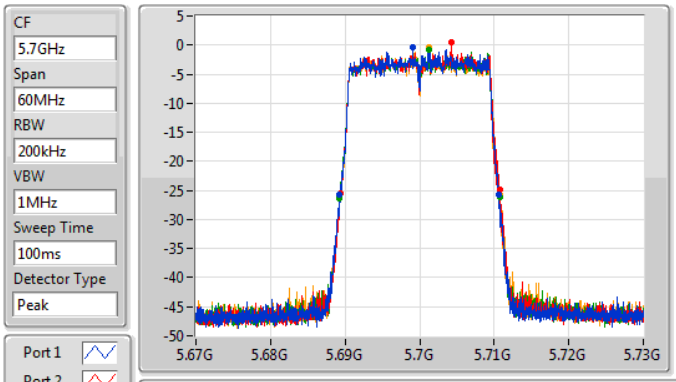


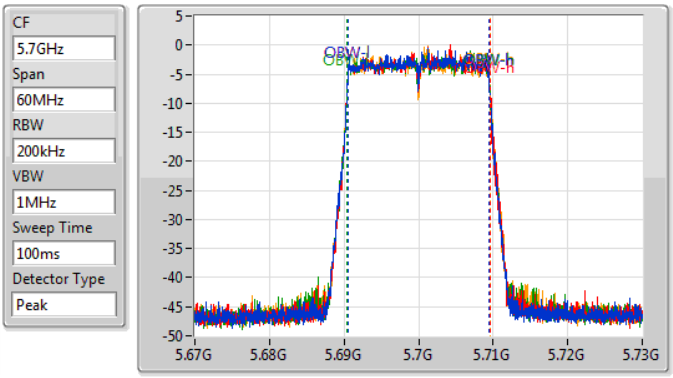
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.56923G	5.59065G	19.01M	5.570465G	5.589475G	Inf	1
21.42M	5.56929G	5.59071G	19.01M	5.570495G	5.589505G	Inf	2
21.63M	5.56923G	5.59086G	19.07M	5.570465G	5.589535G	Inf	3
21.6M	5.56926G	5.59086G	19.07M	5.570495G	5.589565G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5700MHz

15/07/2020





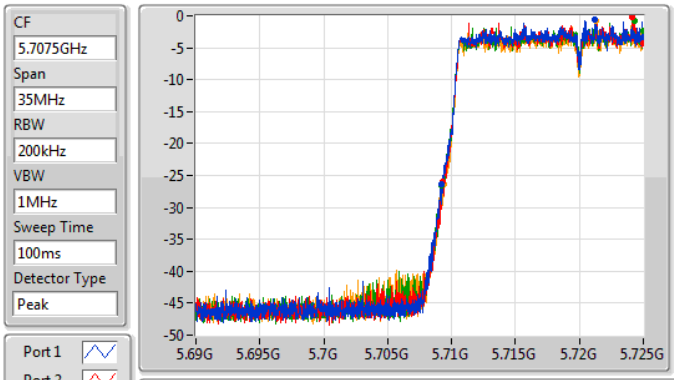
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.68929G	5.71059G	19.01M	5.690495G	5.709505G	Inf	1
21.36M	5.68938G	5.71074G	19.04M	5.690495G	5.709535G	Inf	2
21.51M	5.68926G	5.71077G	19.07M	5.690465G	5.709535G	Inf	3
21.51M	5.68929G	5.7108G	19.04M	5.690495G	5.709535G	Inf	4

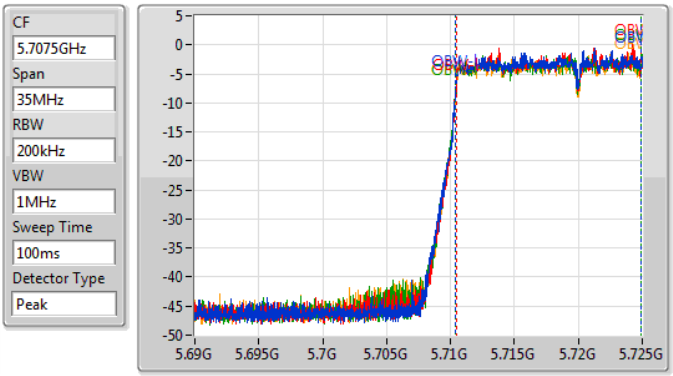
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

15/07/2020



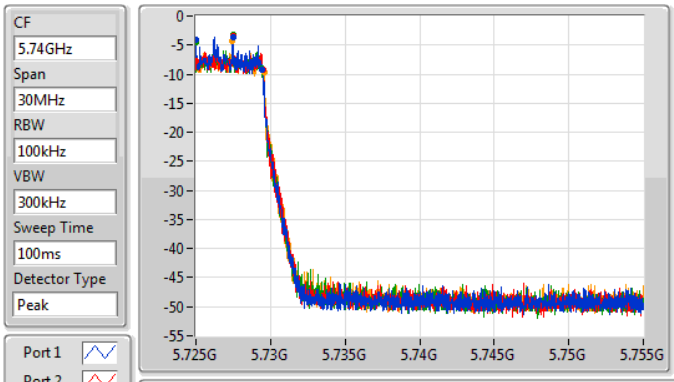


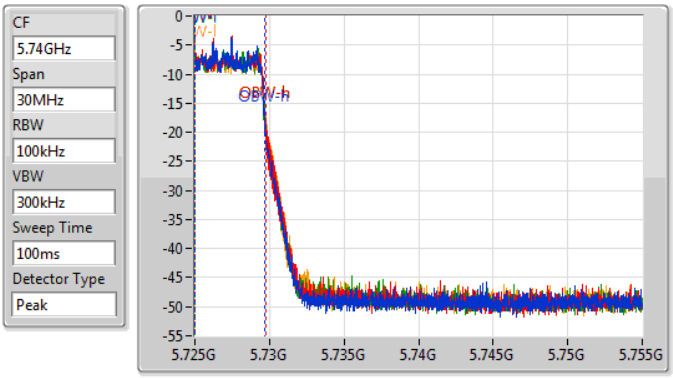
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.768M	5.709233G	5.725G	14.518M	5.710421G	5.724939G	Inf	1
15.698M	5.709303G	5.725G	14.5M	5.710439G	5.724939G	Inf	2
15.75M	5.70925G	5.725G	14.535M	5.710404G	5.724939G	Inf	3
15.558M	5.709443G	5.725G	14.518M	5.710421G	5.724939G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

15/07/2020





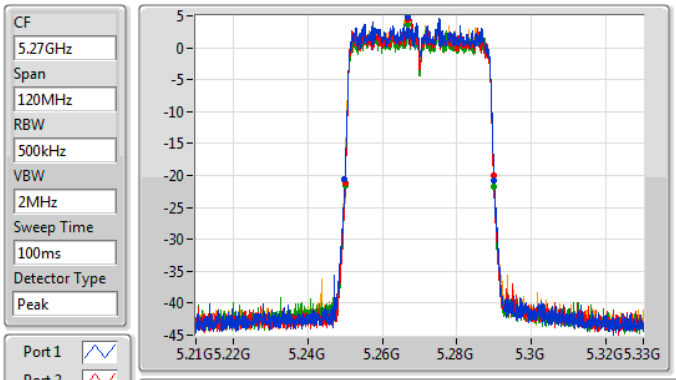
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.47M	5.725G	5.72947G	4.663M	5.725007G	5.72967G	500k	1
4.485M	5.725G	5.729485G	4.723M	5.725007G	5.72973G	500k	2
4.44M	5.725G	5.72944G	4.723M	5.725007G	5.72973G	500k	3
4.56M	5.725G	5.72956G	4.753M	5.725022G	5.729775G	500k	4

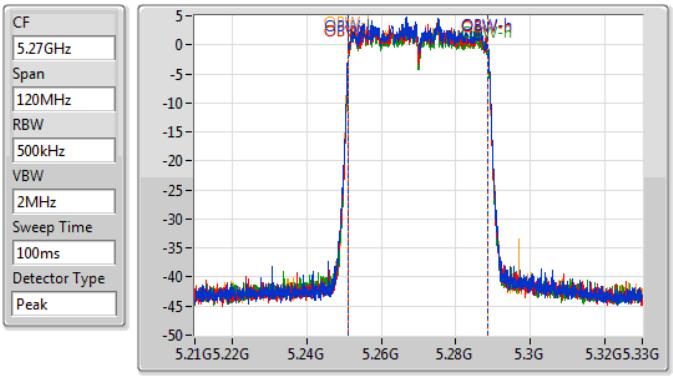
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5270MHz

15/07/2020



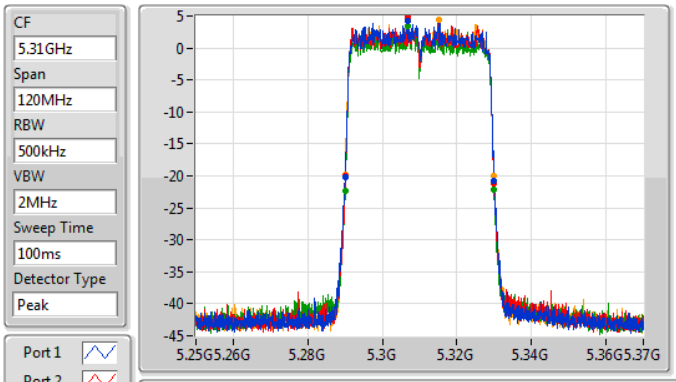


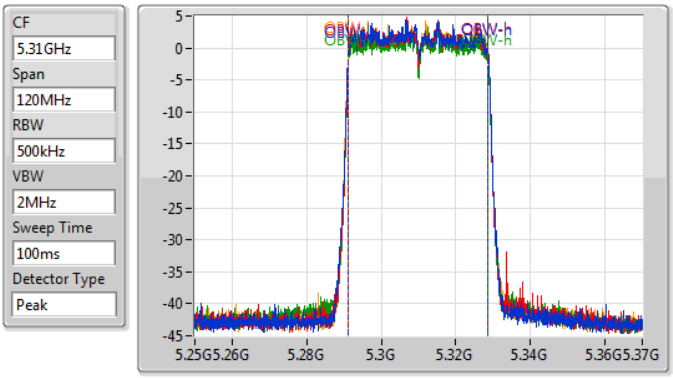
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.2499G	5.29004G	37.541M	5.251169G	5.288711G	Inf	1
39.84M	5.25008G	5.28992G	37.481M	5.251229G	5.288711G	Inf	2
39.96M	5.25002G	5.28998G	37.481M	5.251229G	5.288711G	Inf	3
40.08M	5.2499G	5.28998G	37.541M	5.251169G	5.288711G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5310MHz

15/07/2020





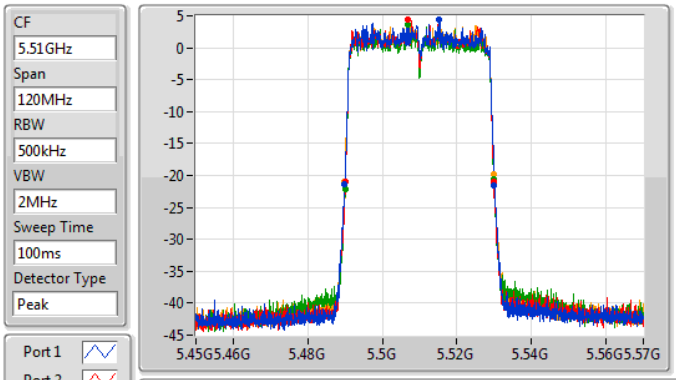
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.28996G	5.33004G	37.541M	5.291169G	5.328711G	Inf	1
39.84M	5.29008G	5.32992G	37.541M	5.291169G	5.328711G	Inf	2
40.02M	5.29002G	5.33004G	37.541M	5.291169G	5.328711G	Inf	3
39.9M	5.29002G	5.32992G	37.541M	5.291169G	5.328711G	Inf	4

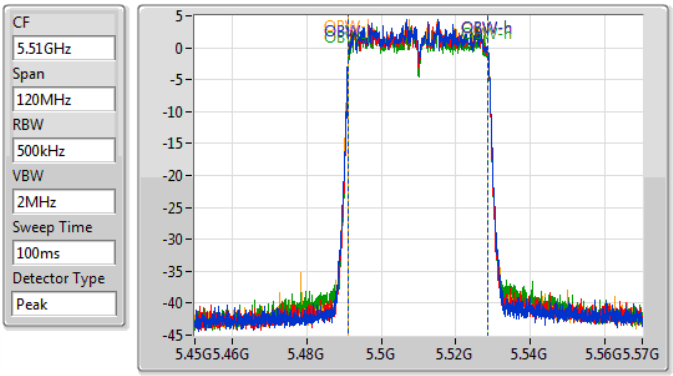
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5510MHz

15/07/2020



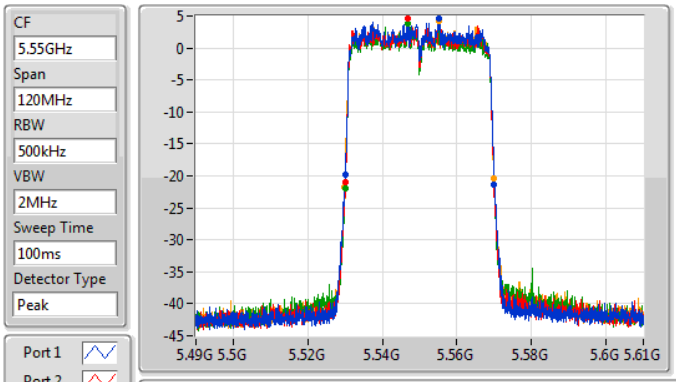


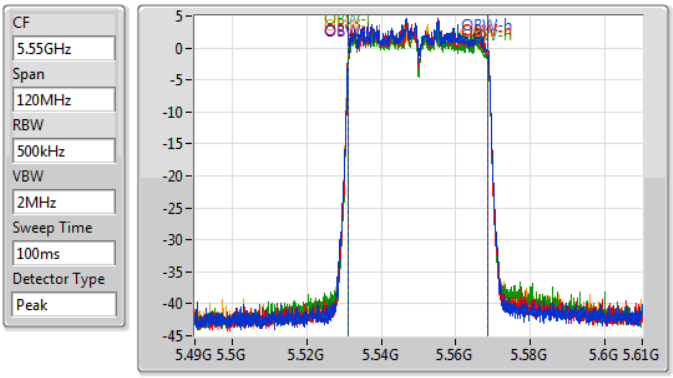
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.4899G	5.53004G	37.481M	5.491229G	5.528711G	Inf	1
39.84M	5.49008G	5.52992G	37.541M	5.491169G	5.528711G	Inf	2
39.96M	5.49002G	5.52998G	37.481M	5.491229G	5.528711G	Inf	3
40.02M	5.4899G	5.52992G	37.541M	5.491169G	5.528711G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5550MHz

15/07/2020





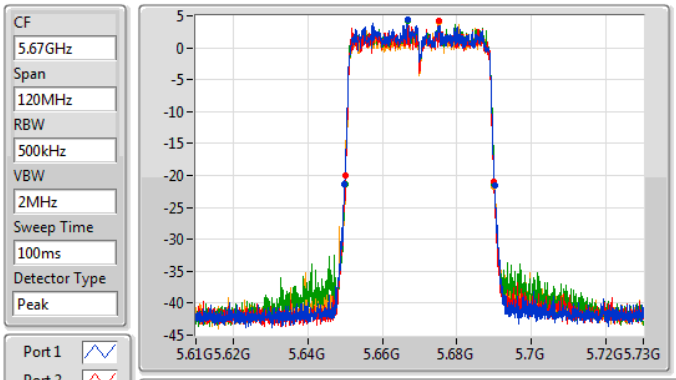
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.52996G	5.57004G	37.481M	5.531229G	5.568711G	Inf	1
39.84M	5.53008G	5.56992G	37.481M	5.531229G	5.568711G	Inf	2
39.96M	5.53002G	5.56998G	37.541M	5.531169G	5.568711G	Inf	3
40.02M	5.5299G	5.56992G	37.541M	5.531169G	5.568711G	Inf	4

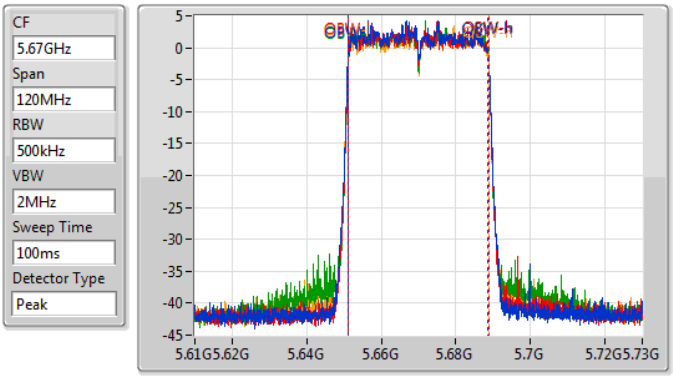
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5670MHz

15/07/2020



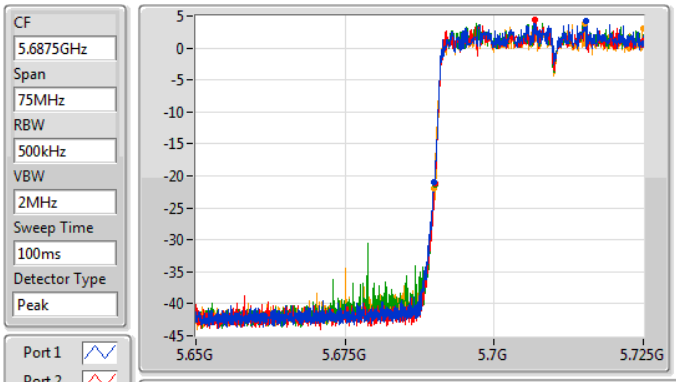


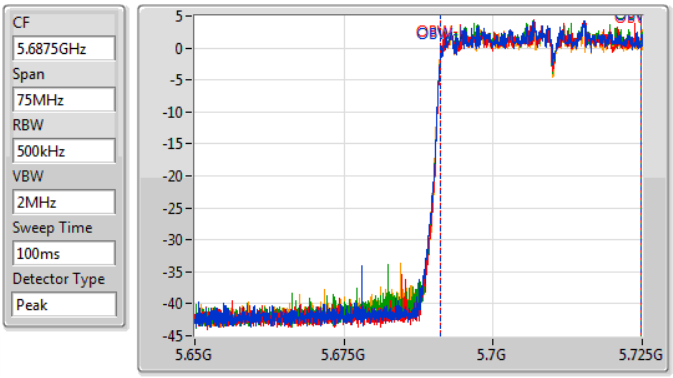
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.6499G	5.6901G	37.541M	5.651169G	5.688711G	Inf	1
39.9M	5.65002G	5.68992G	37.601M	5.651169G	5.688771G	Inf	2
40.02M	5.65002G	5.69004G	37.541M	5.651229G	5.688771G	Inf	3
40.02M	5.6499G	5.68992G	37.601M	5.651169G	5.688771G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

15/07/2020





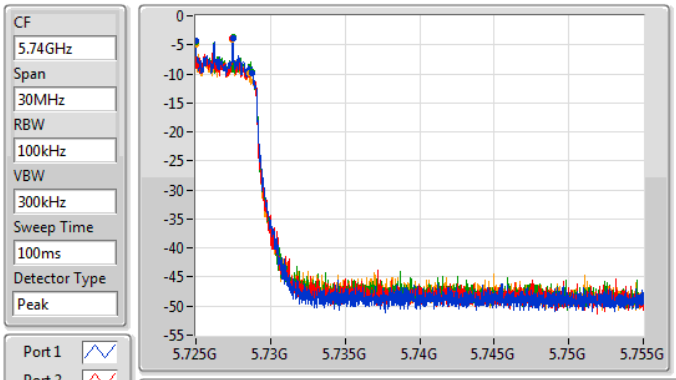
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.063M	5.689938G	5.725G	33.621M	5.691211G	5.724831G	Inf	1
34.913M	5.690088G	5.725G	33.583M	5.691211G	5.724794G	Inf	2
34.95M	5.69005G	5.725G	33.658M	5.691173G	5.724831G	Inf	3
35.138M	5.689863G	5.725G	33.733M	5.691136G	5.724869G	Inf	4

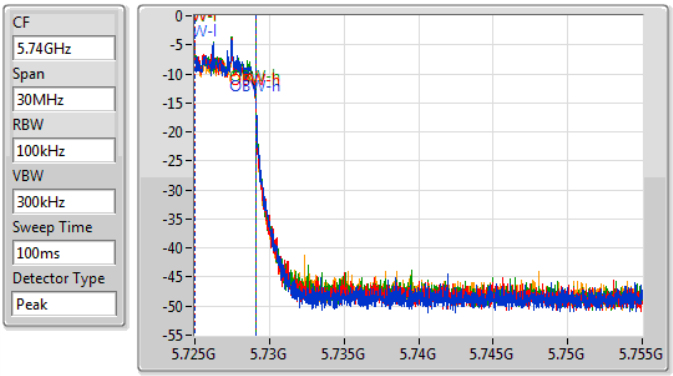
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

15/07/2020



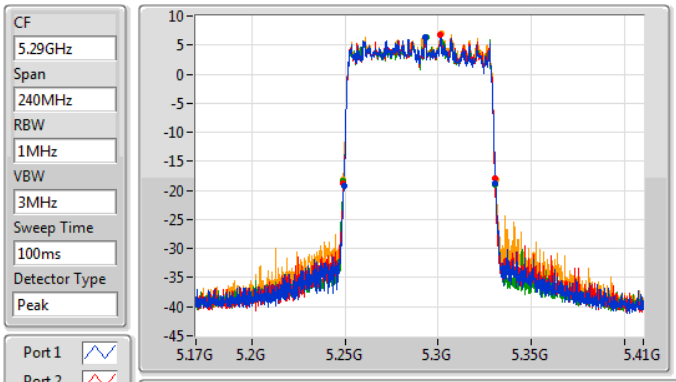


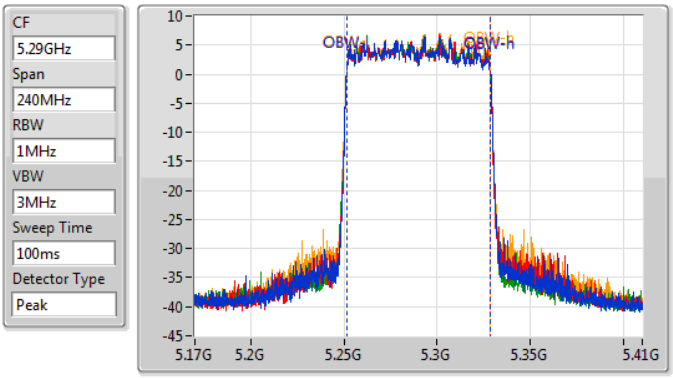
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.765M	5.725G	5.728765G	4.108M	5.725007G	5.729115G	500k	1
3.735M	5.725G	5.728735G	4.093M	5.725007G	5.7291G	500k	2
3.735M	5.725G	5.728735G	4.093M	5.725007G	5.7291G	500k	3
3.63M	5.725G	5.72863G	4.108M	5.725007G	5.729115G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5290MHz

15/07/2020





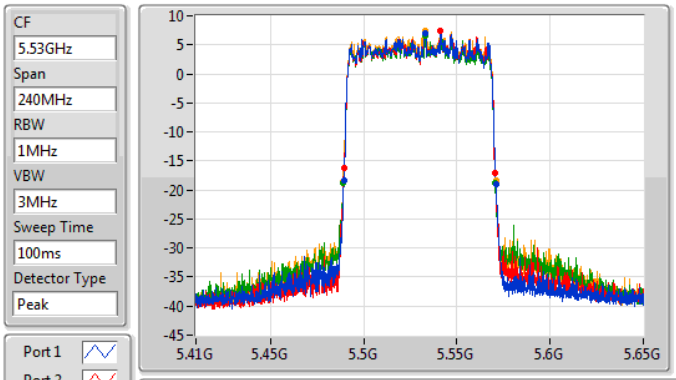
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.24932G	5.33068G	76.762M	5.251619G	5.328381G	Inf	1
81.24M	5.2492G	5.33044G	76.762M	5.251619G	5.328381G	Inf	2
81.48M	5.24908G	5.33056G	76.762M	5.251619G	5.328381G	Inf	3
81.72M	5.24908G	5.3308G	76.762M	5.251619G	5.328381G	Inf	4

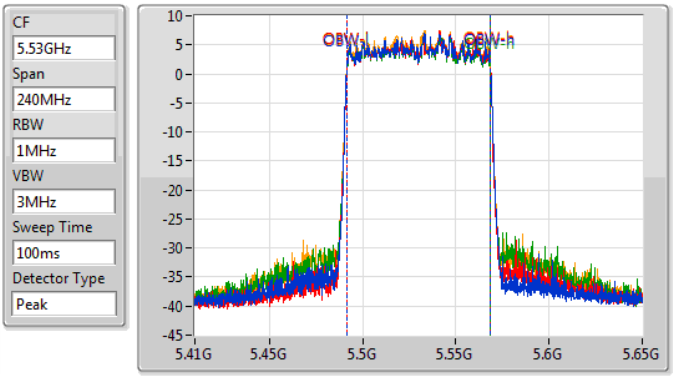
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5530MHz

15/07/2020



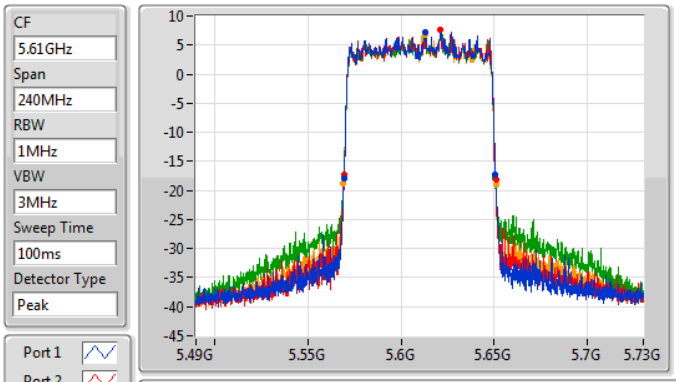


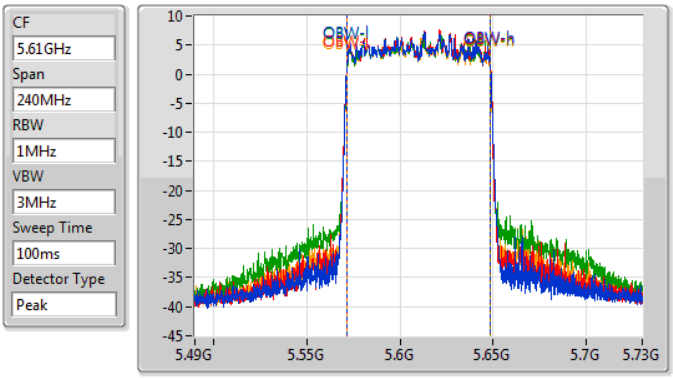
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.48944G	5.5708G	76.762M	5.491619G	5.568381G	Inf	1
81.36M	5.48932G	5.57068G	76.762M	5.491739G	5.568501G	Inf	2
81.48M	5.48908G	5.57056G	76.762M	5.491619G	5.568381G	Inf	3
81.72M	5.48908G	5.5708G	76.642M	5.491739G	5.568381G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5610MHz

15/07/2020





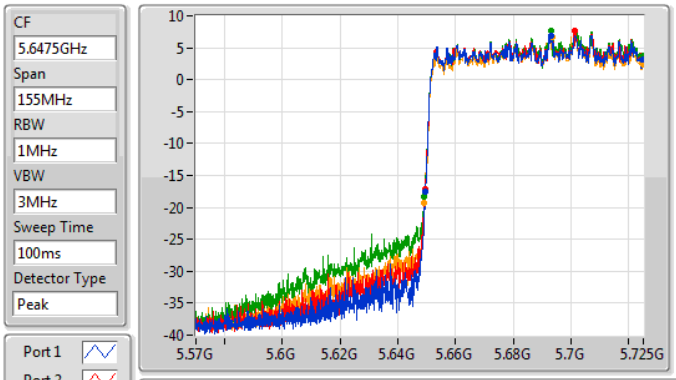
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.24M	5.56944G	5.65068G	76.762M	5.571619G	5.648381G	Inf	1
81.36M	5.56944G	5.6508G	76.882M	5.571619G	5.648501G	Inf	2
81.24M	5.56932G	5.65056G	76.882M	5.571619G	5.648501G	Inf	3
81.72M	5.56908G	5.6508G	76.762M	5.571619G	5.648381G	Inf	4

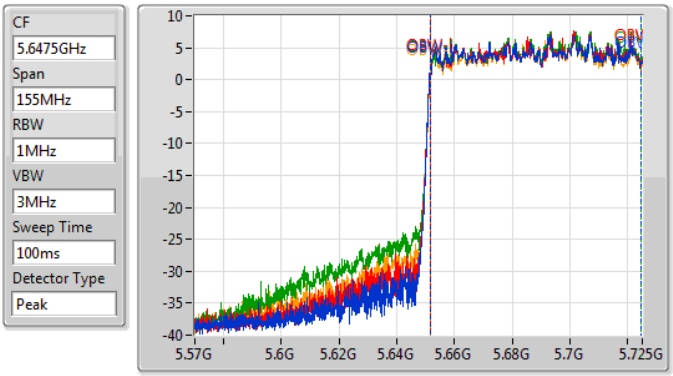
For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.47-5.725GHz

15/07/2020



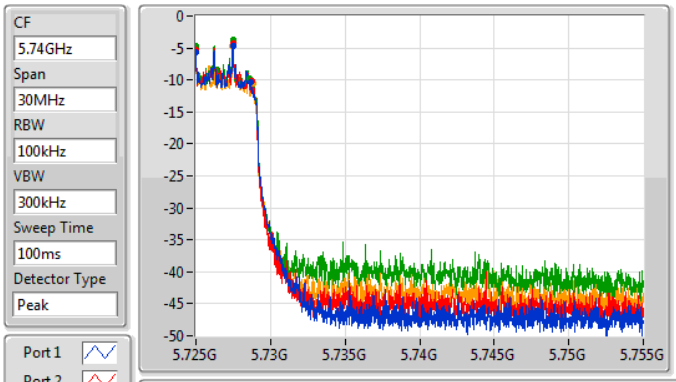


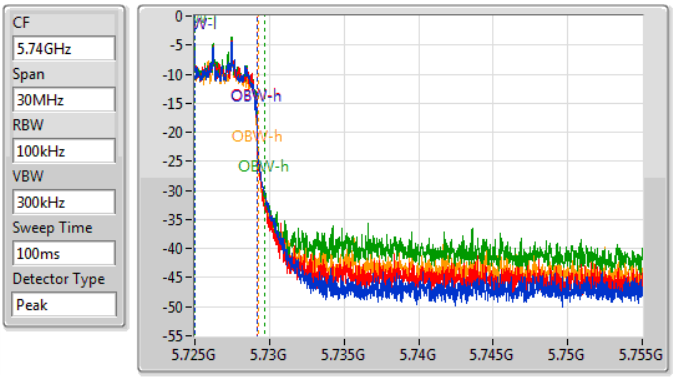
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.485M	5.649515G	5.725G	72.814M	5.651605G	5.724419G	Inf	1
75.563M	5.649438G	5.725G	72.814M	5.651683G	5.724497G	Inf	2
75.873M	5.649128G	5.725G	72.814M	5.651683G	5.724497G	Inf	3
75.873M	5.649128G	5.725G	72.814M	5.651683G	5.724497G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.725-5.85GHz

15/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.675M	5.725G	5.728675G	4.153M	5.725007G	5.72916G	500k	1
3.765M	5.725G	5.728765G	4.138M	5.725007G	5.729145G	500k	2
3.6M	5.725G	5.7286G	4.693M	5.725007G	5.7297G	500k	3
3.855M	5.725G	5.728855G	4.273M	5.725007G	5.72928G	500k	4

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.33M	16.732M	16M7D1D	21.06M	16.642M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.45M	19.04M	19M0D1D	21.21M	18.981M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.02M	37.541M	37M5D1D	39.84M	37.481M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.24M	76.762M	76M8D1D	81.24M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.27M	16.732M	16M7D1D	15.558M	13.363M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.51M	19.07M	19M1D1D	15.68M	14.5M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.14M	37.601M	37M6D1D	34.95M	33.621M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.36M	76.882M	76M9D1D	75.485M	72.814M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.15M	4.273M	4M27D1D	3.15M	4.033M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.455M	4.708M	4M71D1D	4.44M	4.648M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.825M	4.153M	4M15D1D	3.78M	4.093M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.795M	4.228M	4M23D1D	3.735M	4.123M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.18M	16.732M	21.06M	16.642M
5300MHz	Pass	Inf	21.33M	16.732M	21.12M	16.642M
5320MHz	Pass	Inf	21.21M	16.702M	21.24M	16.642M
5500MHz	Pass	Inf	21.27M	16.732M	21.03M	16.642M
5580MHz	Pass	Inf	21.24M	16.732M	21M	16.642M
5700MHz	Pass	Inf	21.18M	16.732M	21.06M	16.642M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.558M	13.363M	15.558M	13.381M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	4.273M	3.15M	4.033M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.42M	18.981M	21.45M	19.01M
5300MHz	Pass	Inf	21.42M	18.981M	21.21M	19.04M
5320MHz	Pass	Inf	21.45M	18.981M	21.36M	19.04M
5500MHz	Pass	Inf	21.51M	18.981M	21.39M	19.07M
5580MHz	Pass	Inf	21.51M	19.01M	21.39M	19.04M
5700MHz	Pass	Inf	21.39M	19.01M	21.51M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.785M	14.5M	15.68M	14.518M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.648M	4.455M	4.708M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.02M	37.481M	39.84M	37.541M
5310MHz	Pass	Inf	40.02M	37.541M	39.9M	37.541M
5510MHz	Pass	Inf	40.08M	37.541M	39.9M	37.481M
5550MHz	Pass	Inf	40.08M	37.541M	39.9M	37.481M
5670MHz	Pass	Inf	40.14M	37.601M	39.96M	37.601M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.063M	33.621M	34.95M	33.621M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.825M	4.153M	3.78M	4.093M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.24M	76.762M	81.24M	76.762M
5530MHz	Pass	Inf	81.36M	76.642M	81.12M	76.762M
5610MHz	Pass	Inf	81.36M	76.882M	81.12M	76.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.485M	72.814M	75.64M	72.814M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.795M	4.228M	3.735M	4.123M

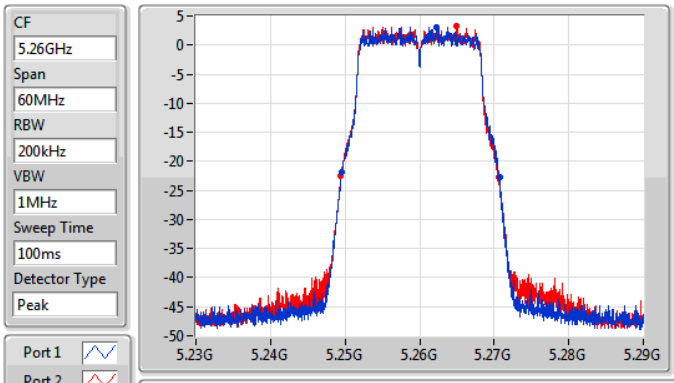
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

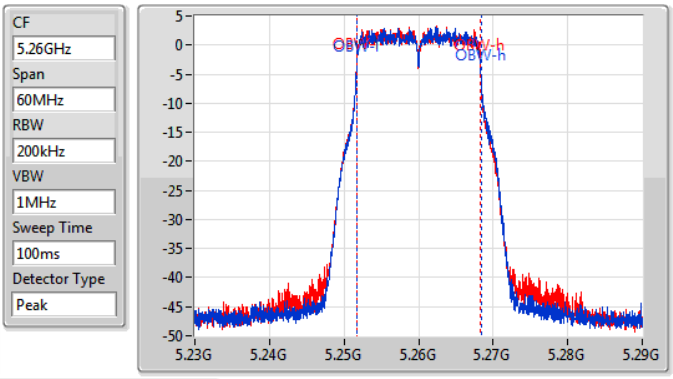
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5260MHz

15/07/2020



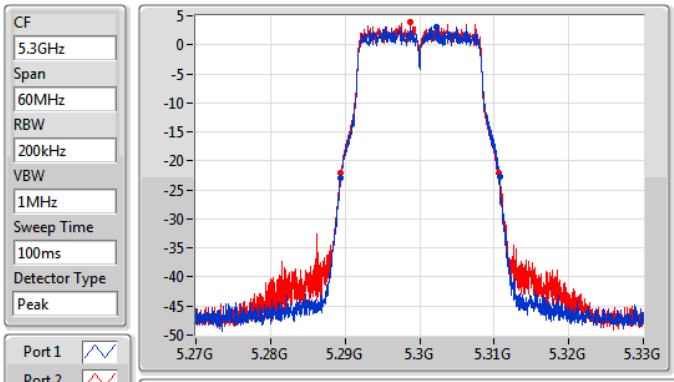


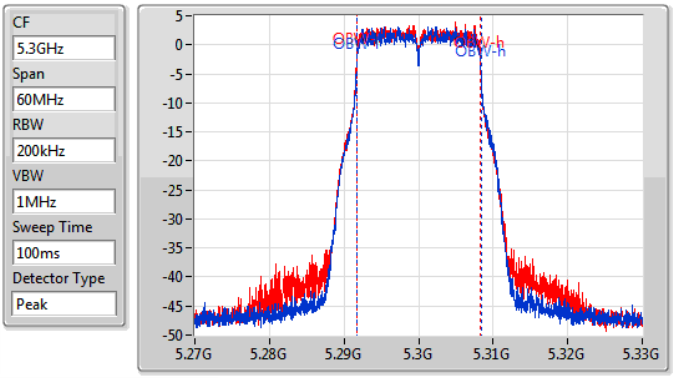
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.18M	5.24953G	5.27071G	16.732M	5.251664G	5.268396G	Inf	1
21.06M	5.24947G	5.27053G	16.642M	5.251664G	5.268306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5300MHz

15/07/2020





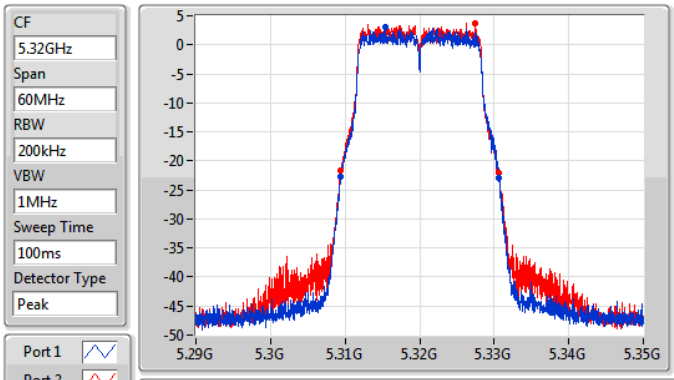
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.33M	5.28941G	5.31074G	16.732M	5.291664G	5.308396G	Inf	1
21.12M	5.28941G	5.31053G	16.642M	5.291664G	5.308306G	Inf	2

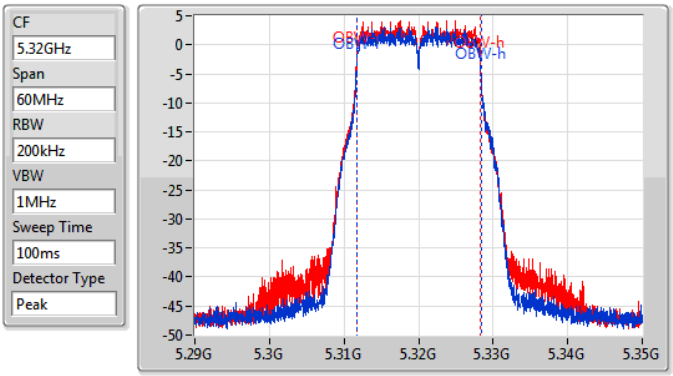
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5320MHz

15/07/2020



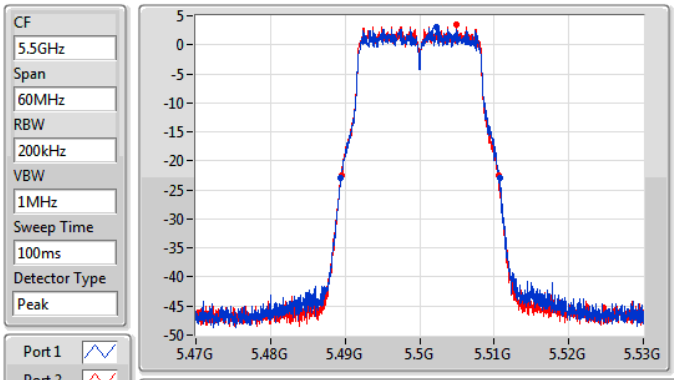


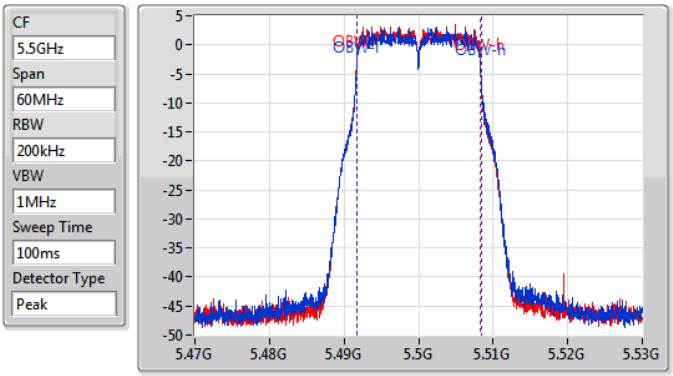
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.30947G	5.33068G	16.702M	5.311664G	5.328366G	Inf	1
21.24M	5.30944G	5.33068G	16.642M	5.311664G	5.328306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5500MHz

15/07/2020





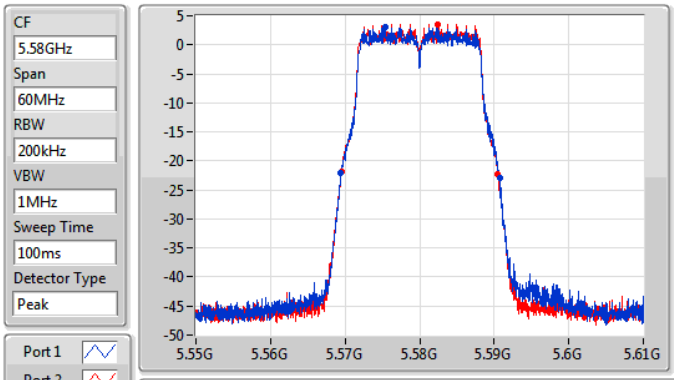
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.48944G	5.51071G	16.732M	5.491664G	5.508396G	Inf	1
21.03M	5.4895G	5.51053G	16.642M	5.491664G	5.508306G	Inf	2

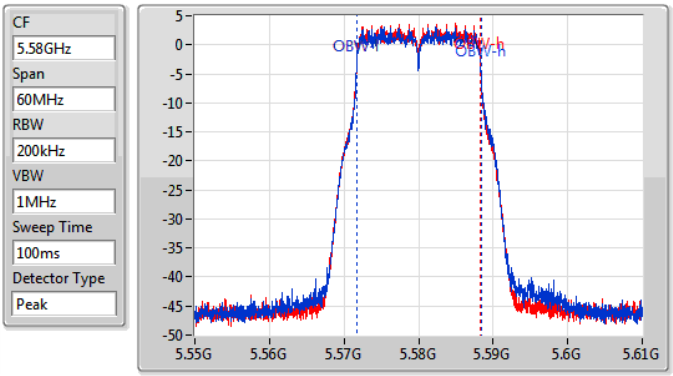
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5580MHz

15/07/2020



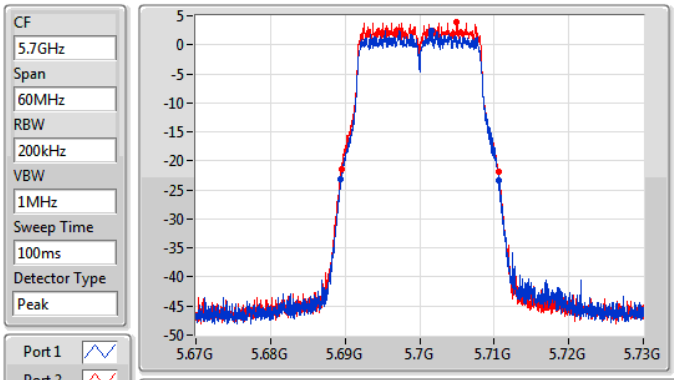


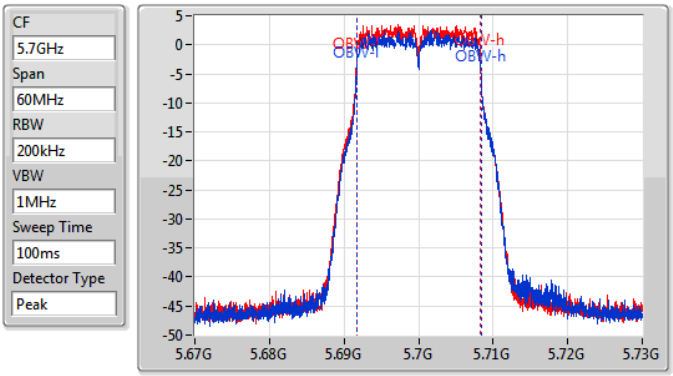
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.56947G	5.59071G	16.732M	5.571664G	5.588396G	Inf	1
21M	5.5695G	5.5905G	16.642M	5.571664G	5.588306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5700MHz

15/07/2020





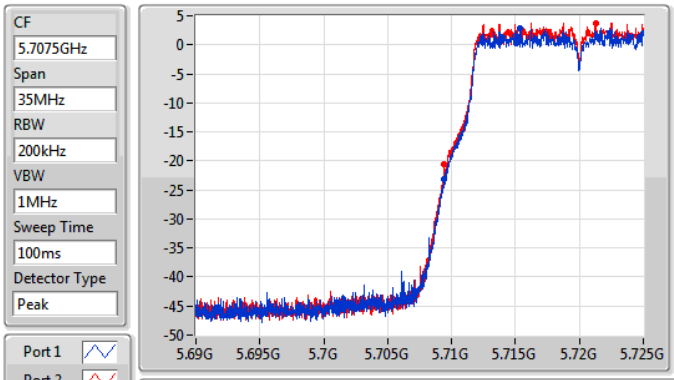
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.18M	5.68947G	5.71065G	16.732M	5.691664G	5.708396G	Inf	1
21.06M	5.6895G	5.71056G	16.642M	5.691664G	5.708306G	Inf	2

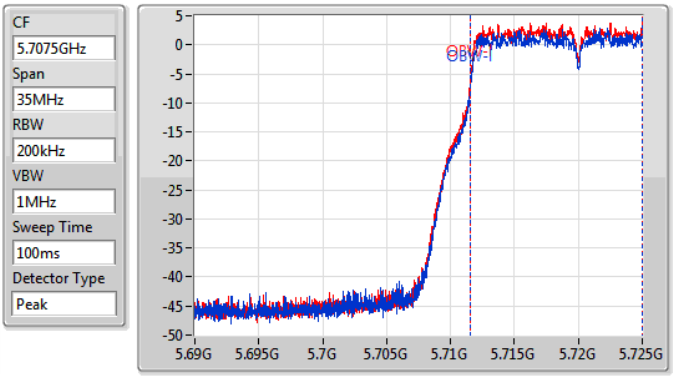
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

15/07/2020



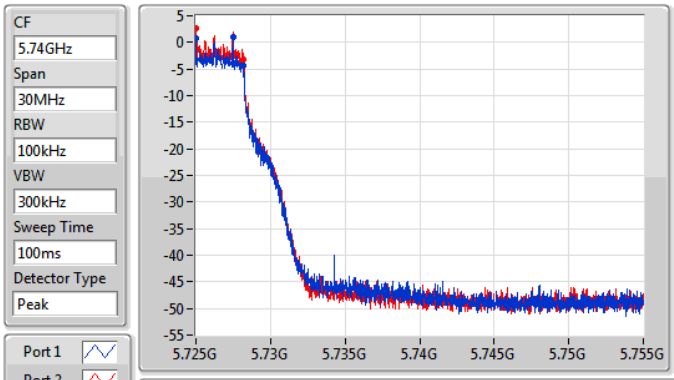


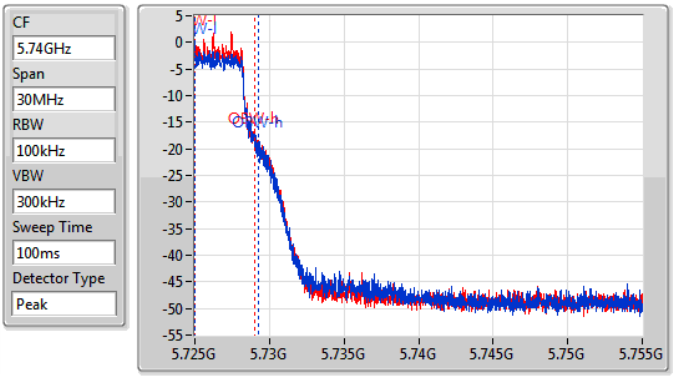
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.558M	5.709443G	5.725G	13.363M	5.711593G	5.724956G	Inf	1
15.558M	5.709443G	5.725G	13.381M	5.711575G	5.724956G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

15/07/2020





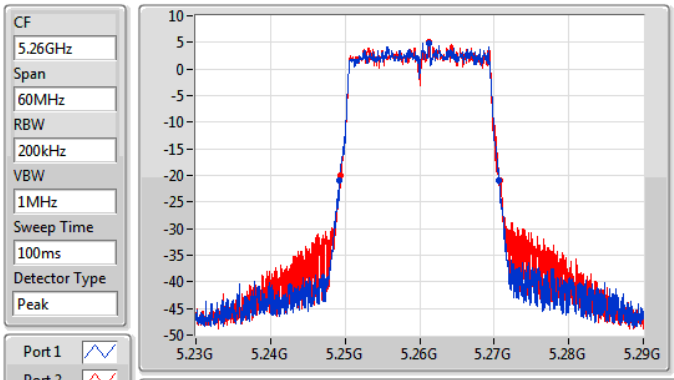
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.15M	5.725G	5.72815G	4.273M	5.725007G	5.72928G	500k	1
3.15M	5.725G	5.72815G	4.033M	5.725007G	5.72904G	500k	2

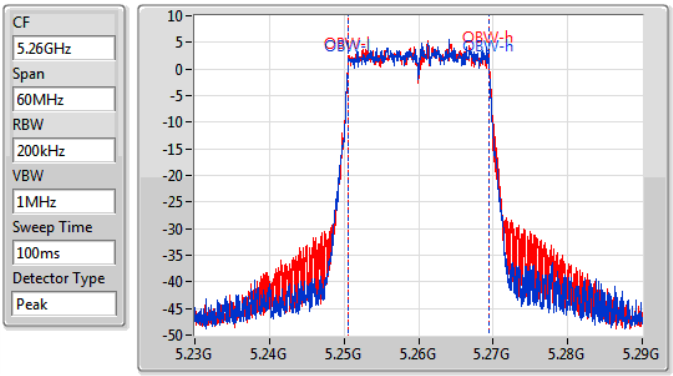
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5260MHz

15/07/2020



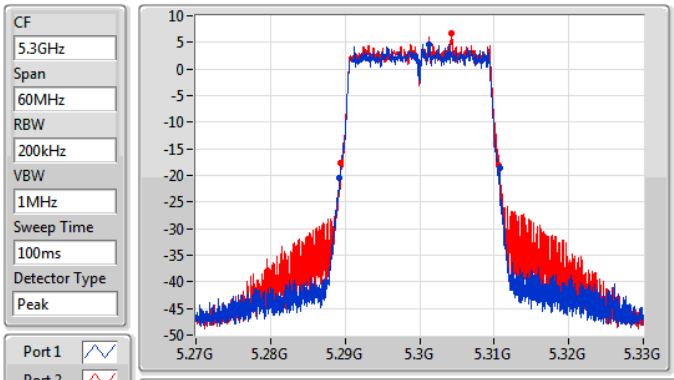


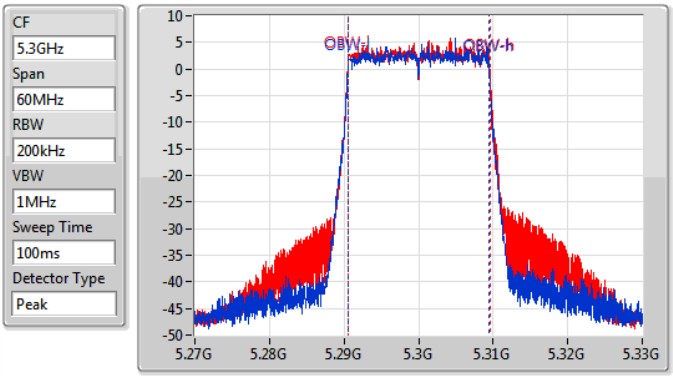
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.24926G	5.27068G	18.981M	5.250495G	5.269475G	Inf	1
21.45M	5.24935G	5.2708G	19.01M	5.250495G	5.269505G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5300MHz

15/07/2020





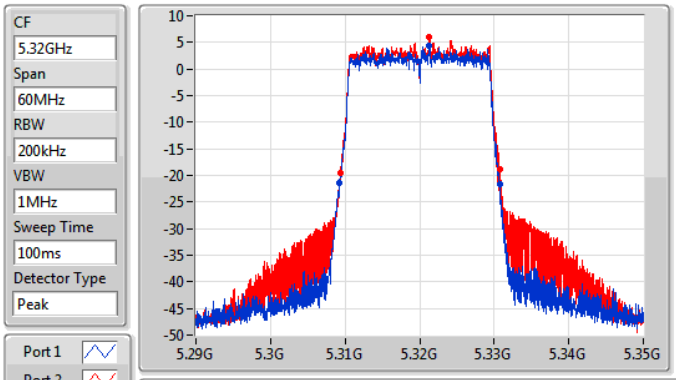
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.28929G	5.31071G	18.981M	5.290495G	5.309475G	Inf	1
21.21M	5.28947G	5.31068G	19.04M	5.290495G	5.309535G	Inf	2

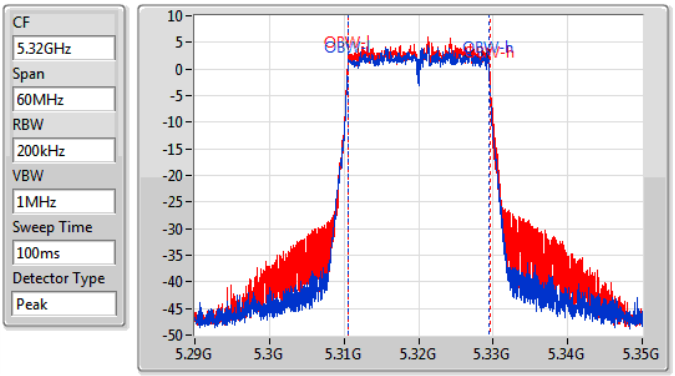
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5320MHz

15/07/2020



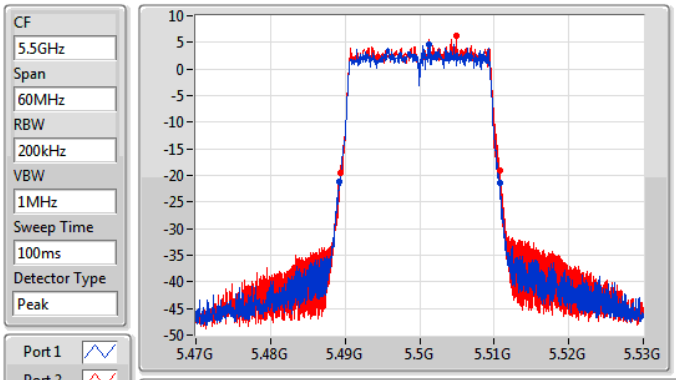


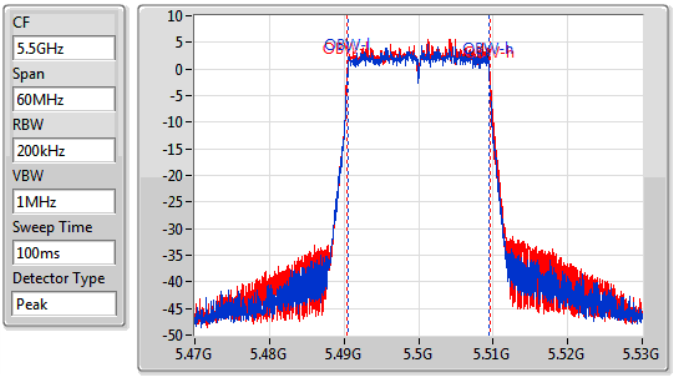
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.30926G	5.33071G	18.981M	5.310495G	5.329475G	Inf	1
21.36M	5.30938G	5.33074G	19.04M	5.310495G	5.329535G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5500MHz

15/07/2020





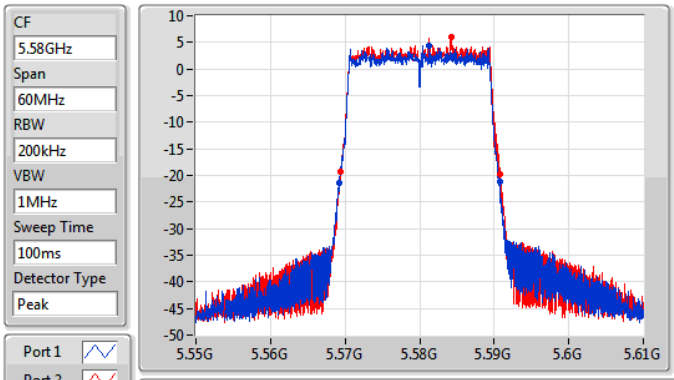
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.4892G	5.51071G	18.981M	5.490495G	5.509475G	Inf	1
21.39M	5.48935G	5.51074G	19.07M	5.490465G	5.509535G	Inf	2

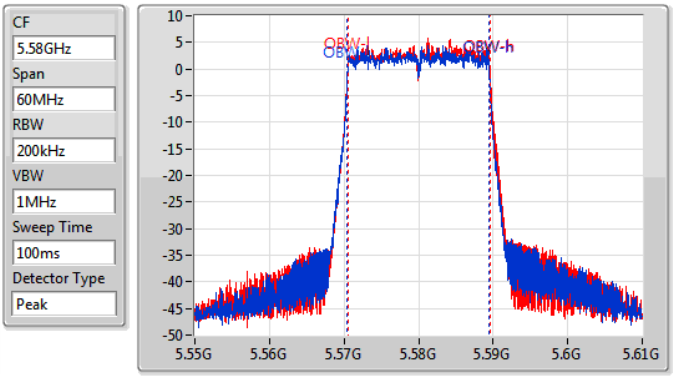
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5580MHz

15/07/2020



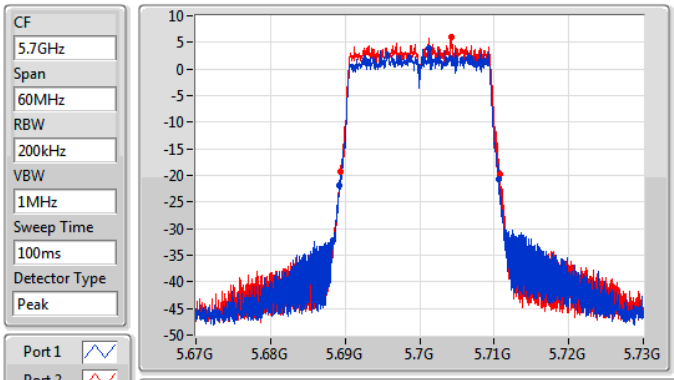


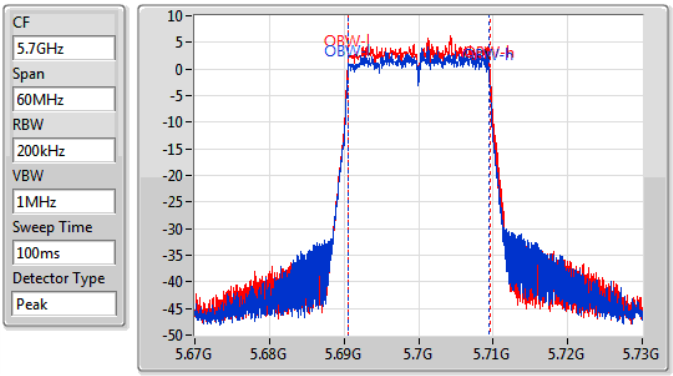
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.5692G	5.59071G	19.01M	5.570465G	5.589475G	Inf	1
21.39M	5.56941G	5.5908G	19.04M	5.570495G	5.589535G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5700MHz

15/07/2020





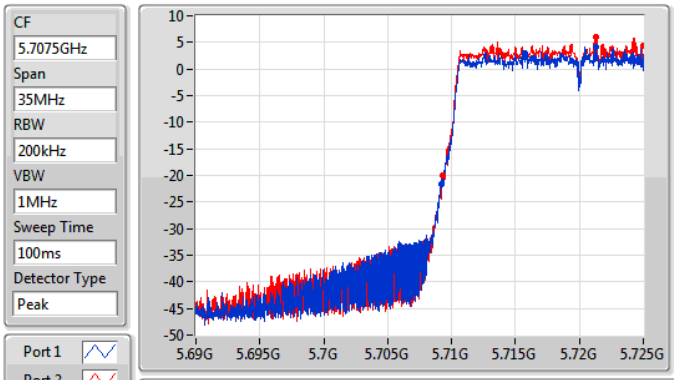
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.68926G	5.71065G	19.01M	5.690495G	5.709505G	Inf	1
21.51M	5.68932G	5.71083G	19.04M	5.690495G	5.709535G	Inf	2

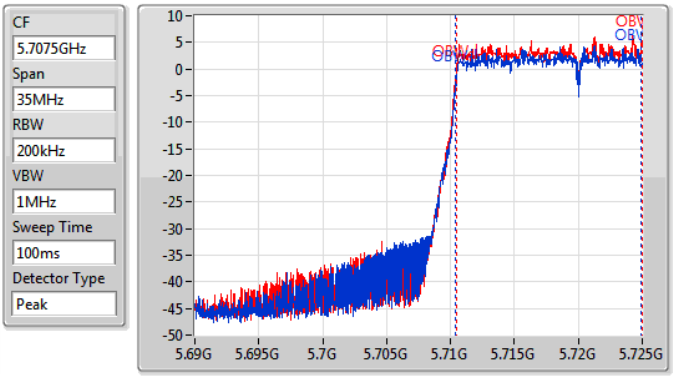
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

15/07/2020



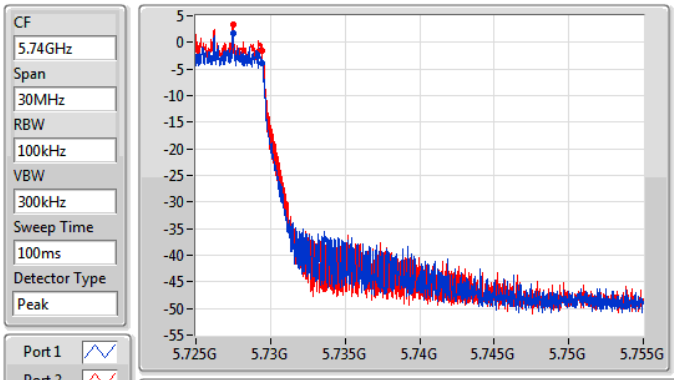


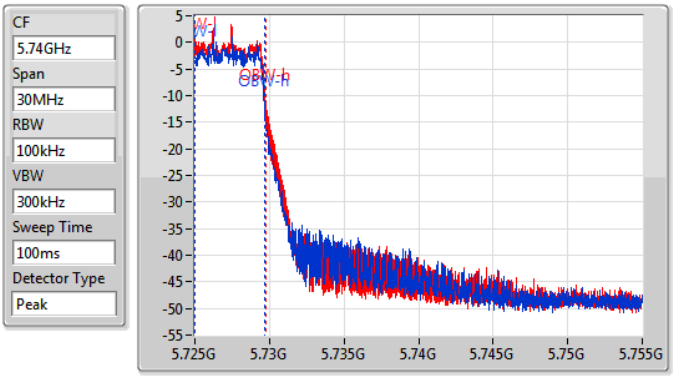
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.785M	5.709215G	5.725G	14.5M	5.710421G	5.724921G	Inf	1
15.68M	5.70932G	5.725G	14.518M	5.710439G	5.724956G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

15/07/2020





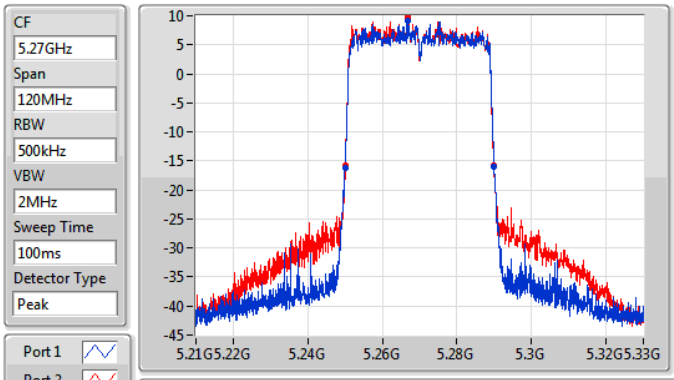
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.44M	5.725015G	5.729455G	4.648M	5.725022G	5.72967G	500k	1
4.455M	5.725G	5.729455G	4.708M	5.725022G	5.72973G	500k	2

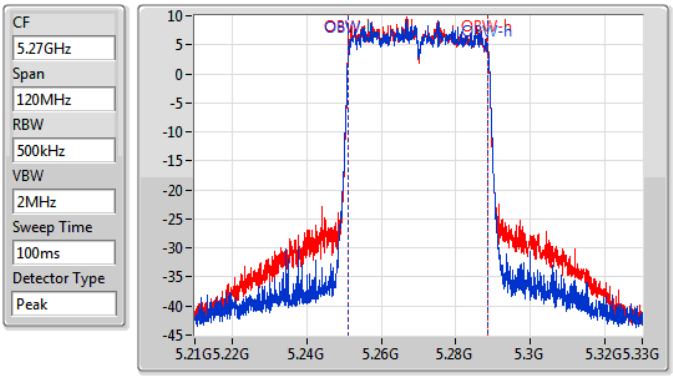
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5270MHz

15/07/2020



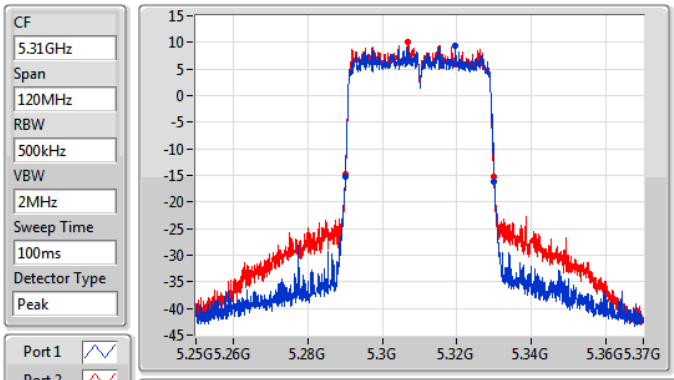


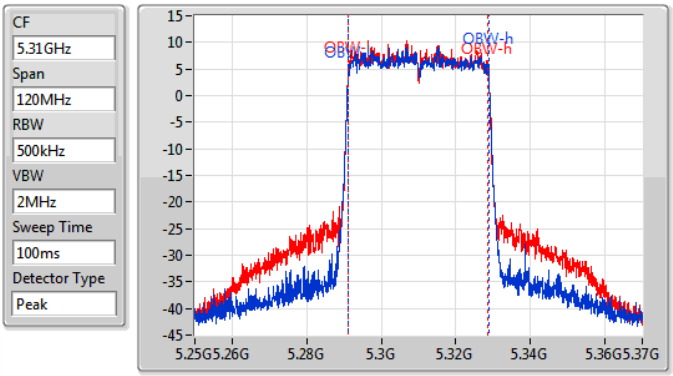
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.24996G	5.28998G	37.481M	5.251229G	5.288711G	Inf	1
39.84M	5.25008G	5.28992G	37.541M	5.251169G	5.288711G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5310MHz

15/07/2020





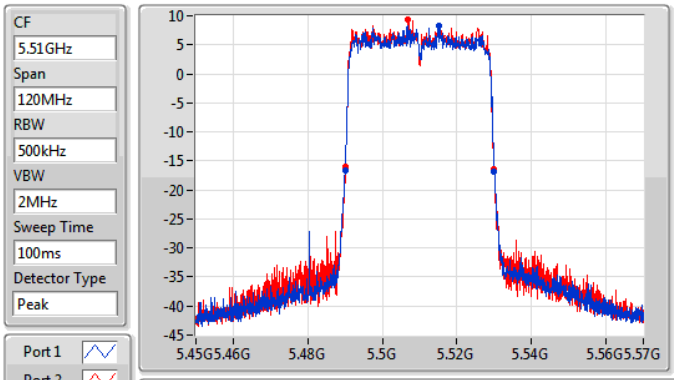
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.29002G	5.33004G	37.541M	5.291229G	5.328771G	Inf	1
39.9M	5.29008G	5.32998G	37.541M	5.291169G	5.328711G	Inf	2

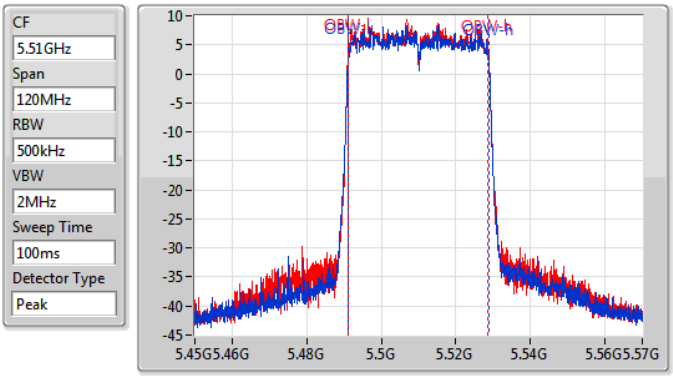
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5510MHz

15/07/2020



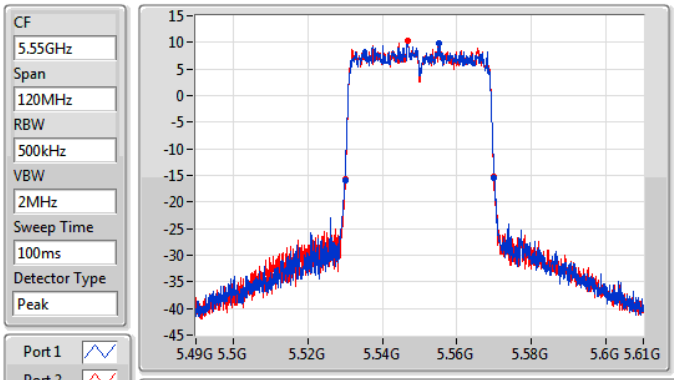


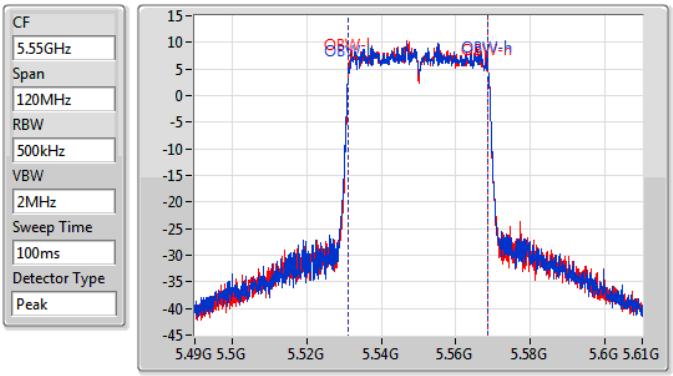
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.48996G	5.53004G	37.541M	5.491229G	5.528771G	Inf	1
39.9M	5.49008G	5.52998G	37.481M	5.491229G	5.528711G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5550MHz

15/07/2020





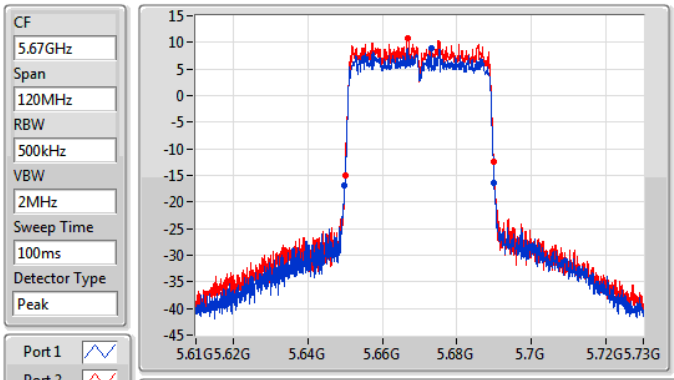
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.52996G	5.57004G	37.541M	5.531169G	5.568711G	Inf	1
39.9M	5.53008G	5.56998G	37.481M	5.531229G	5.568711G	Inf	2

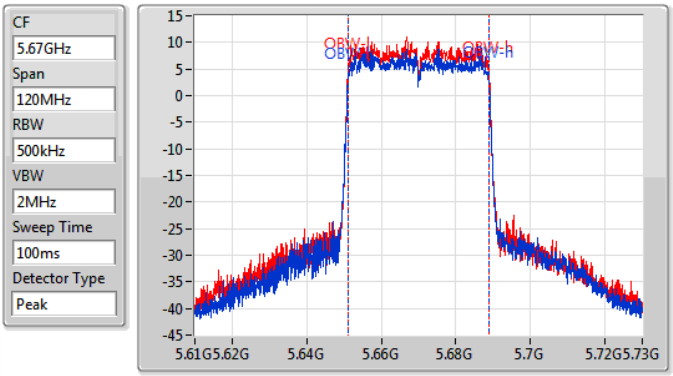
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5670MHz

15/07/2020



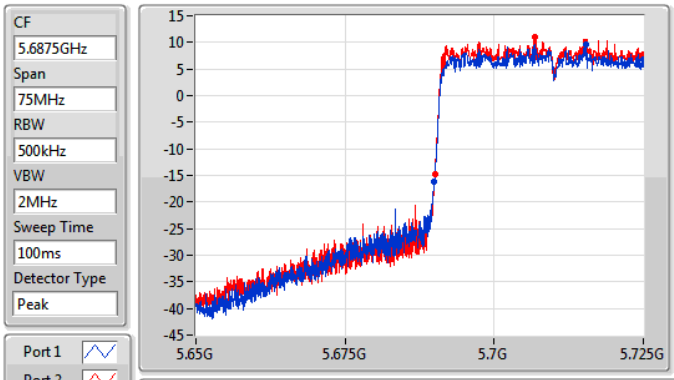


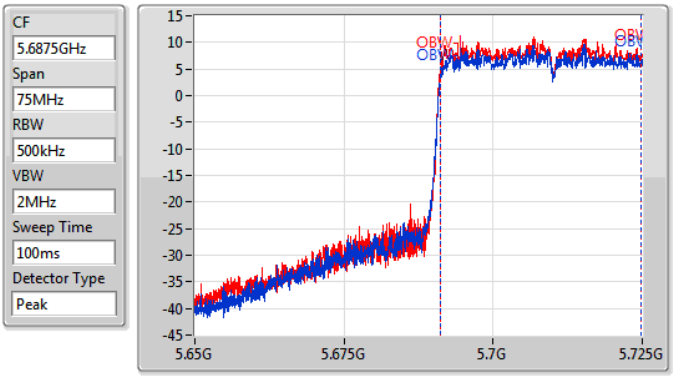
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.6499G	5.69004G	37.601M	5.651169G	5.688771G	Inf	1
39.96M	5.65002G	5.68998G	37.601M	5.651169G	5.688771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.47-5.725GHz

15/07/2020





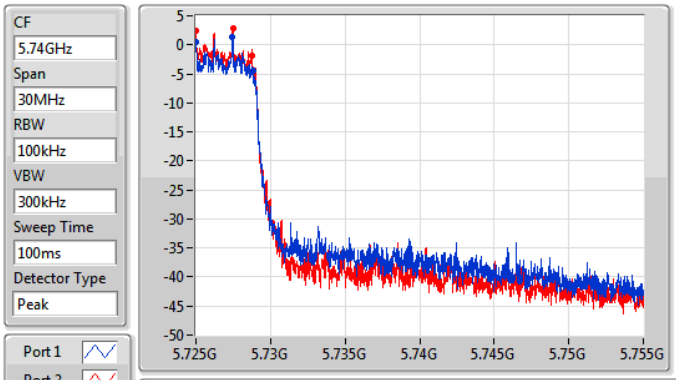
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.063M	5.689938G	5.725G	33.621M	5.691173G	5.724794G	Inf	1
34.95M	5.69005G	5.725G	33.621M	5.691173G	5.724794G	Inf	2

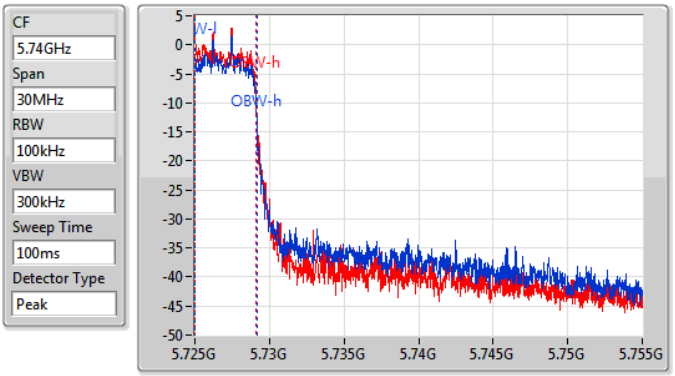
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.725-5.85GHz

15/07/2020



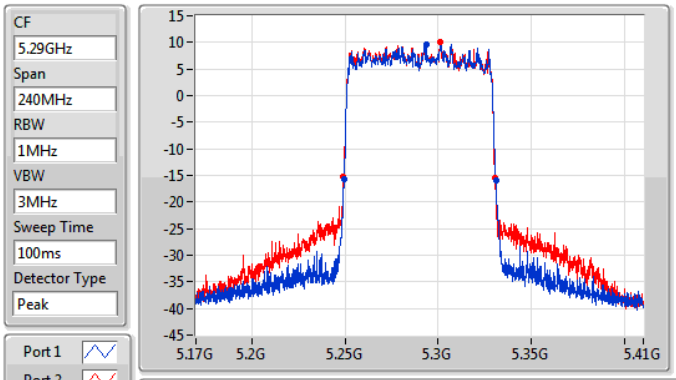


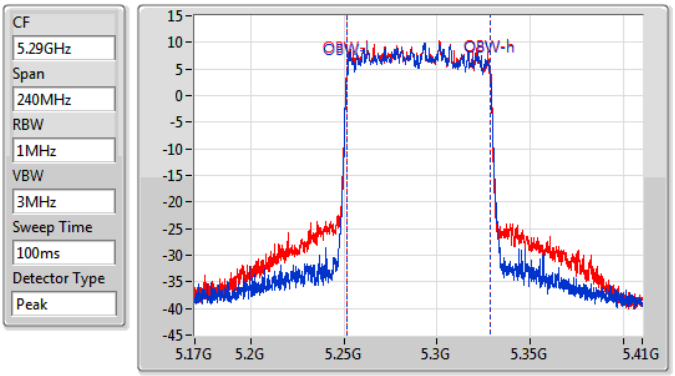
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.825M	5.725G	5.728825G	4.153M	5.725007G	5.72916G	500k	1
3.78M	5.725G	5.72878G	4.093M	5.725007G	5.7291G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5290MHz

15/07/2020





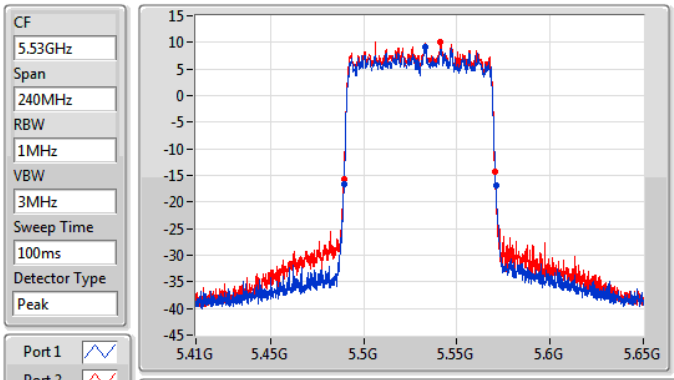
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.24M	5.24956G	5.3308G	76.762M	5.251619G	5.328381G	Inf	1
81.24M	5.2492G	5.33044G	76.762M	5.251619G	5.328381G	Inf	2

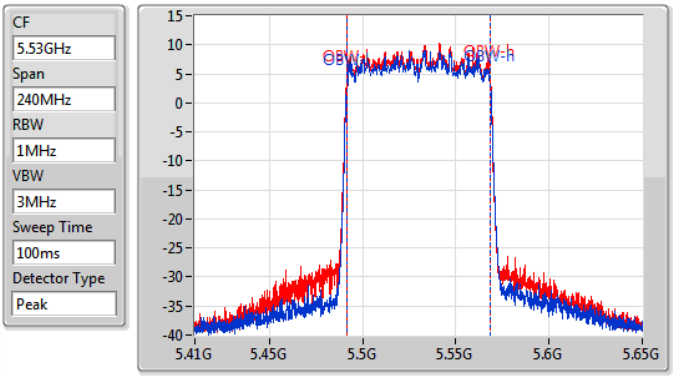
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5530MHz

15/07/2020



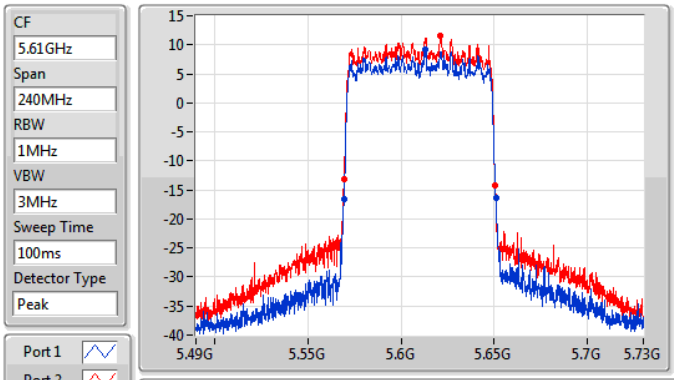


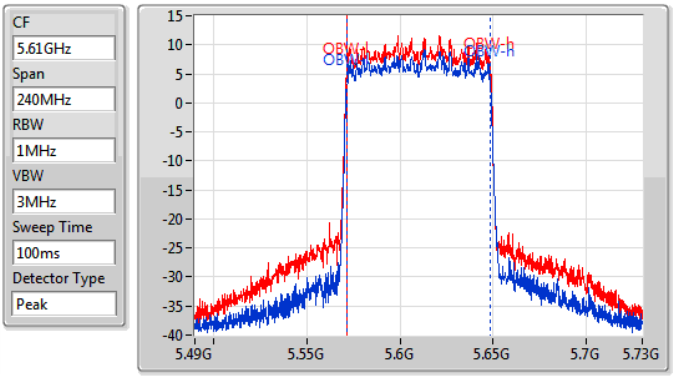
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.48944G	5.5708G	76.642M	5.491739G	5.568381G	Inf	1
81.12M	5.48932G	5.57044G	76.762M	5.491619G	5.568381G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5610MHz

15/07/2020





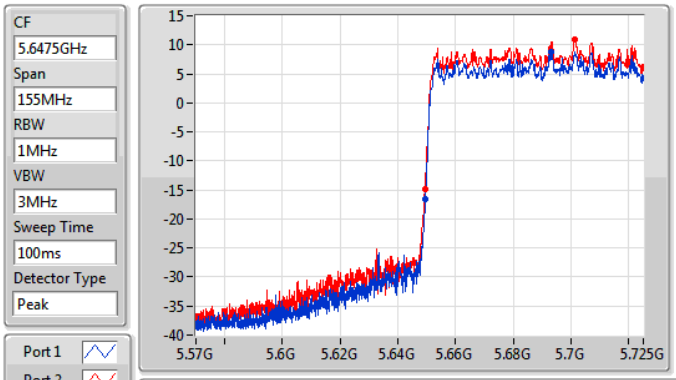
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.56944G	5.6508G	76.882M	5.571619G	5.648501G	Inf	1
81.12M	5.56944G	5.65056G	76.762M	5.571619G	5.648381G	Inf	2

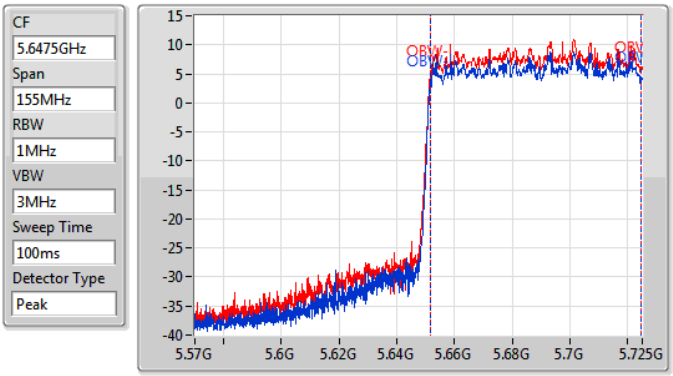
For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5690MHz Straddle 5.47-5.725GHz

15/07/2020



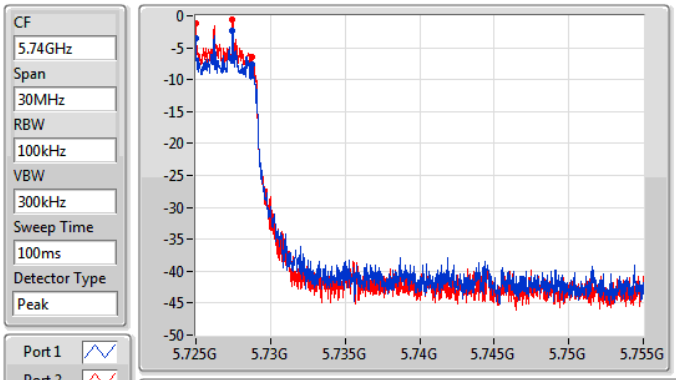


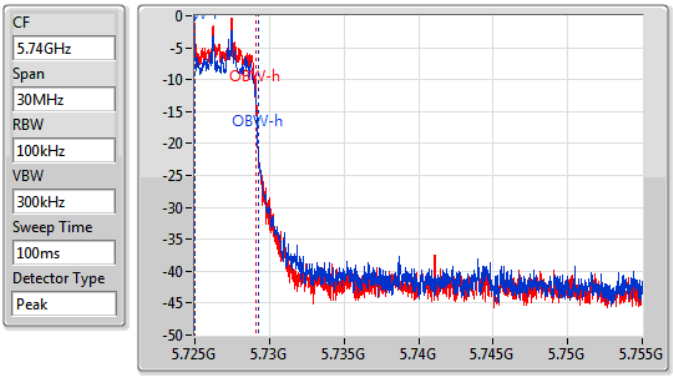
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.485M	5.649515G	5.725G	72.814M	5.651605G	5.724419G	Inf	1
75.64M	5.64936G	5.725G	72.814M	5.651605G	5.724419G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5690MHz Straddle 5.725-5.85GHz

15/07/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.795M	5.725G	5.728795G	4.228M	5.725007G	5.729235G	500k	1
3.735M	5.725G	5.728735G	4.123M	5.725007G	5.72913G	500k	2

For EUT 1 / Radio 1_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	18.31	0.06776
802.11ax HEW20_Nss1,(MCS0)_4TX	19.01	0.07962
802.11ax HEW40_Nss1,(MCS0)_4TX	21.73	0.14894
802.11ax HEW80_Nss1,(MCS0)_4TX	19.60	0.09120
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	18.53	0.07129
802.11ax HEW20_Nss1,(MCS0)_4TX	19.12	0.08166
802.11ax HEW40_Nss1,(MCS0)_4TX	21.74	0.14928
802.11ax HEW80_Nss1,(MCS0)_4TX	23.82	0.24099
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	10.70	0.01175
802.11ax HEW20_Nss1,(MCS0)_4TX	12.39	0.01734
802.11ax HEW40_Nss1,(MCS0)_4TX	11.58	0.01439
802.11ax HEW80_Nss1,(MCS0)_4TX	10.85	0.01216

For EUT 1 / Radio 1_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.00	12.35	12.28	12.13	12.14	18.25	23.98
5300MHz	Pass	6.00	12.38	12.24	11.53	12.35	18.16	23.98
5320MHz	Pass	6.00	12.65	12.42	11.43	12.57	18.31	23.98
5500MHz	Pass	6.00	12.52	12.19	11.94	12.44	18.30	23.98
5580MHz	Pass	6.00	12.69	12.26	12.30	12.44	18.45	23.98
5700MHz	Pass	6.00	12.97	12.47	11.99	12.56	18.53	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	11.18	11.00	10.30	10.85	16.87	22.90
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	5.01	4.85	4.19	4.62	10.70	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.00	13.29	12.95	12.76	12.95	19.01	23.98
5300MHz	Pass	6.00	13.28	12.94	12.28	13.12	18.94	23.98
5320MHz	Pass	6.00	13.35	12.89	12.08	13.02	18.88	23.98
5500MHz	Pass	6.00	13.25	12.95	12.53	13.01	18.96	23.98
5580MHz	Pass	6.00	13.21	12.98	12.94	13.25	19.12	23.98
5700MHz	Pass	6.00	11.82	11.49	10.84	11.47	17.44	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	11.54	11.38	10.90	11.50	17.36	22.94
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	6.63	6.43	5.93	6.47	12.39	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	6.00	15.71	15.67	15.53	15.91	21.73	23.98
5310MHz	Pass	6.00	13.93	13.82	13.09	13.98	19.74	23.98
5510MHz	Pass	6.00	13.04	12.84	12.68	12.76	18.85	23.98
5550MHz	Pass	6.00	15.77	15.51	15.80	15.81	21.74	23.98
5670MHz	Pass	6.00	15.52	15.18	14.89	15.49	21.30	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	6.00	15.33	14.78	14.55	15.26	21.01	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	6.00	5.84	5.29	5.15	5.92	11.58	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	6.00	13.56	13.59	13.58	13.60	19.60	23.98
5530MHz	Pass	6.00	14.32	14.32	13.97	14.17	20.22	23.98
5610MHz	Pass	6.00	17.31	17.34	16.46	17.37	23.16	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	6.00	18.09	17.92	17.36	17.78	23.82	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	6.00	5.08	4.87	4.45	4.88	10.85	30.00

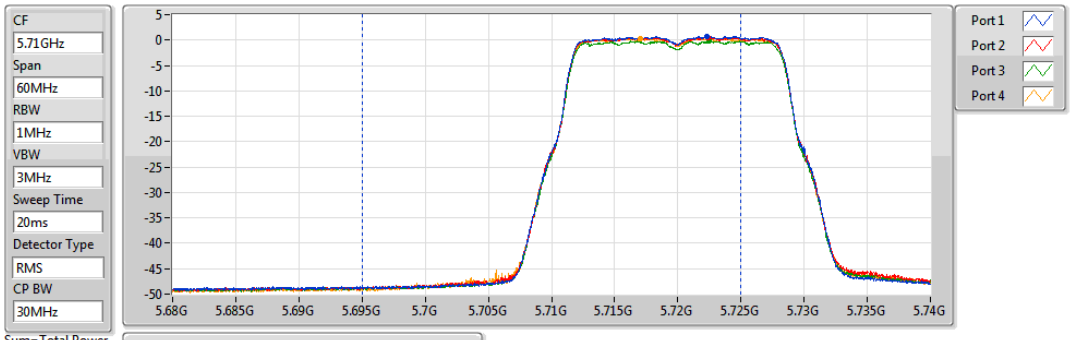
DG = Directional Gain; **Port X** = Port X output power

For EUT 1 / Radio 1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

11/07/2020



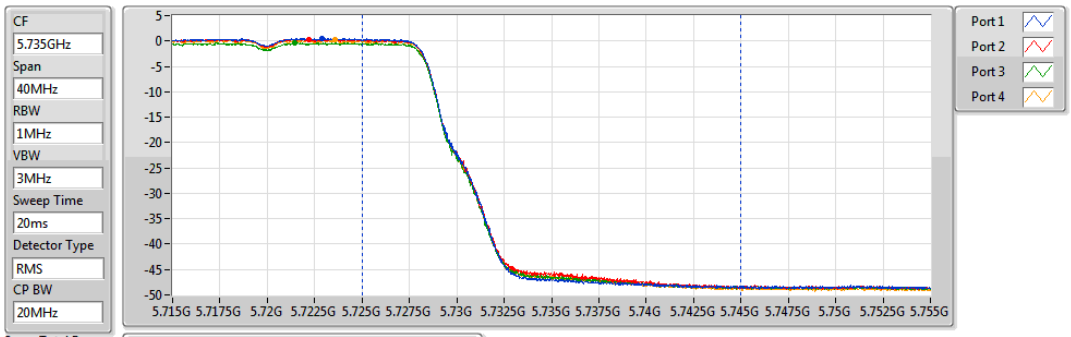
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.87	11.18	11.00	10.30	10.85

802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

11/07/2020



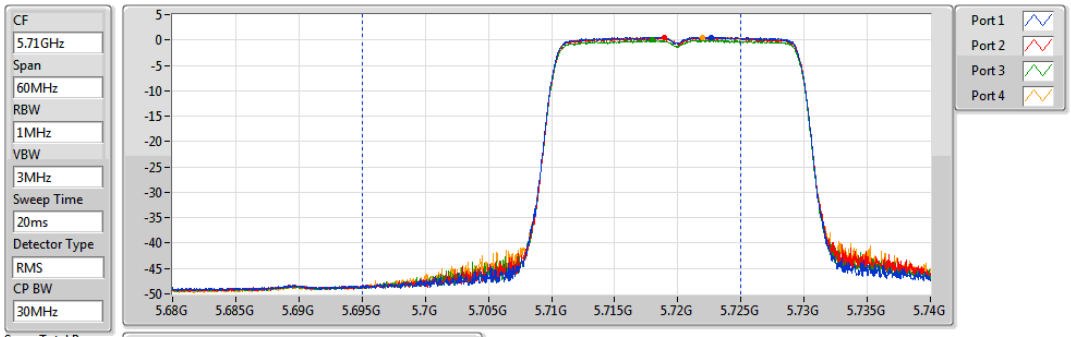
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.70	5.01	4.85	4.19	4.62

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

11/07/2020



Sum=Total Power
PX=Port X

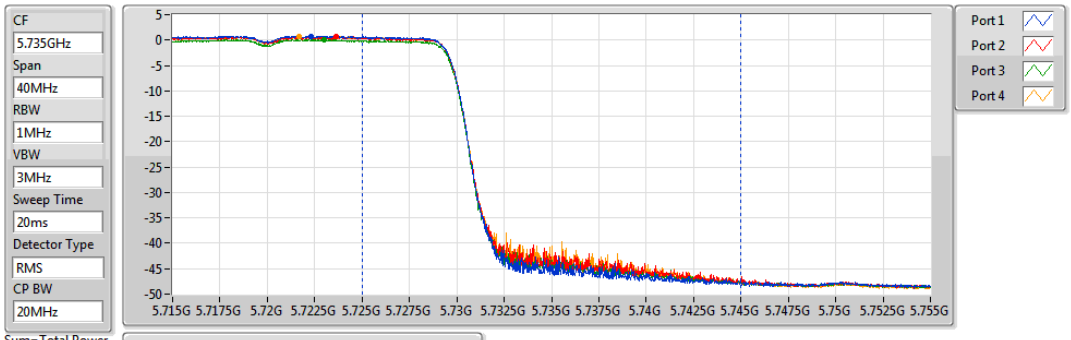
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.36	11.54	11.38	10.90	11.50

For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

11/07/2020



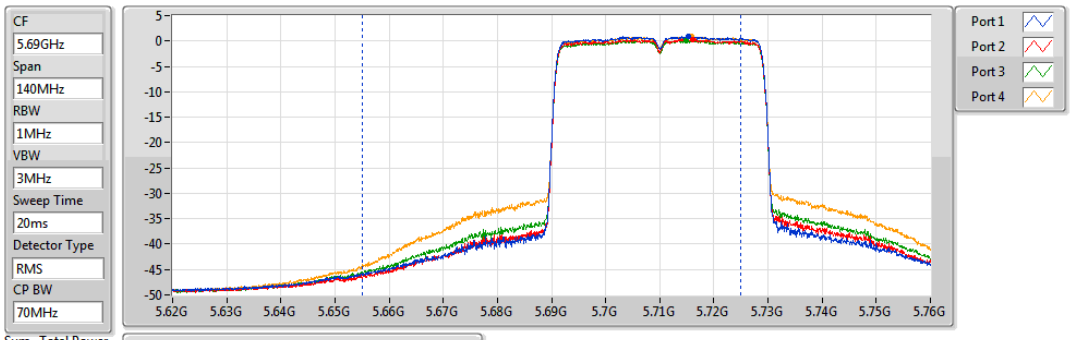
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.39	6.63	6.43	5.93	6.47

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

11/07/2020



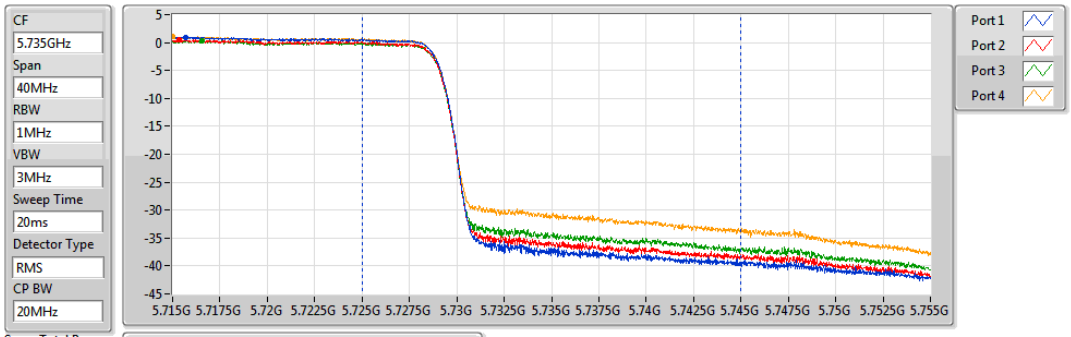
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.01	15.33	14.78	14.55	15.26

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

11/07/2020



Sum=Total Power
PX=Port X

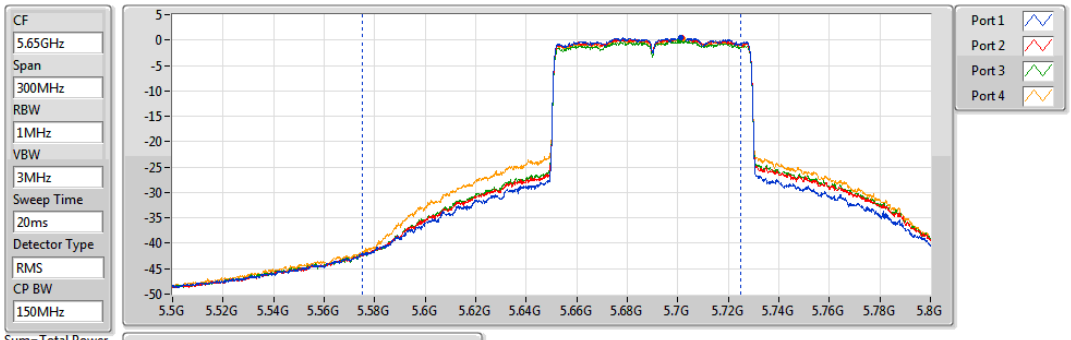
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.58	5.84	5.29	5.15	5.92

For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

11/07/2020

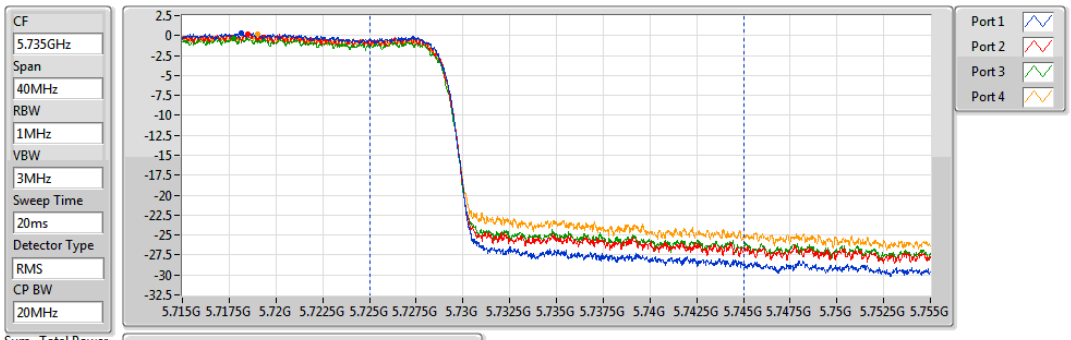


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.82	18.09	17.92	17.36	17.78

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

11/07/2020



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.85	5.08	4.87	4.45	4.88

For EUT 1 / Radio 1_Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.88	0.06138
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.92	0.06194
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.90	0.06166
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.91	0.06180
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.93	0.06209
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.93	0.06209
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	12.87	0.01936
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	8.46	0.00701
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.71	0.00296

For EUT 1 / Radio 1_Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	12.02	11.92	11.79	11.49	11.65	17.74	17.96
5300MHz	Pass	12.02	12.11	11.87	11.45	11.99	17.88	17.96
5320MHz	Pass	12.02	12.33	11.82	11.04	12.12	17.87	17.96
5500MHz	Pass	12.02	12.03	11.83	11.36	11.84	17.79	17.96
5580MHz	Pass	12.02	11.73	11.59	11.78	11.83	17.75	17.96
5700MHz	Pass	12.02	11.82	11.49	10.84	11.47	17.44	17.96
5720MHz Straddle 5.47-5.725GHz	Pass	12.02	12.15	11.93	11.39	12.03	17.91	17.96
5720MHz Straddle 5.725-5.85GHz	Pass	12.02	7.10	6.74	6.40	7.11	12.87	23.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	12.02	12.26	11.84	11.61	11.87	17.92	17.96
5310MHz	Pass	12.02	12.11	11.81	11.29	12.11	17.86	17.96
5510MHz	Pass	12.02	12.00	11.73	11.65	11.85	17.83	17.96
5550MHz	Pass	12.02	11.83	11.69	11.78	11.99	17.84	17.96
5670MHz	Pass	12.02	12.29	11.51	11.21	12.00	17.79	17.96
5710MHz Straddle 5.47-5.725GHz	Pass	12.02	12.28	11.69	11.49	12.13	17.93	17.96
5710MHz Straddle 5.725-5.85GHz	Pass	12.02	2.82	2.20	2.05	2.64	8.46	23.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	12.02	12.08	11.73	11.66	12.02	17.90	17.96
5530MHz	Pass	12.02	12.03	11.90	11.66	11.63	17.83	17.96
5610MHz	Pass	12.02	12.42	12.02	11.14	11.95	17.93	17.96
5690MHz Straddle 5.47-5.725GHz	Pass	12.02	12.18	11.72	11.18	11.86	17.77	17.96
5690MHz Straddle 5.725-5.85GHz	Pass	12.02	-1.01	-1.42	-1.85	-1.03	4.71	23.98

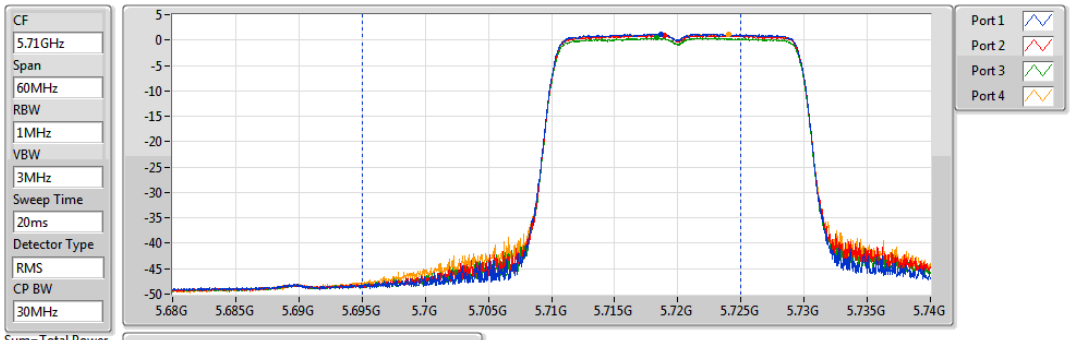
DG = Directional Gain; **Port X** = Port X output power

For EUT 1 / Radio 1_Beamforming Mode

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

11/07/2020



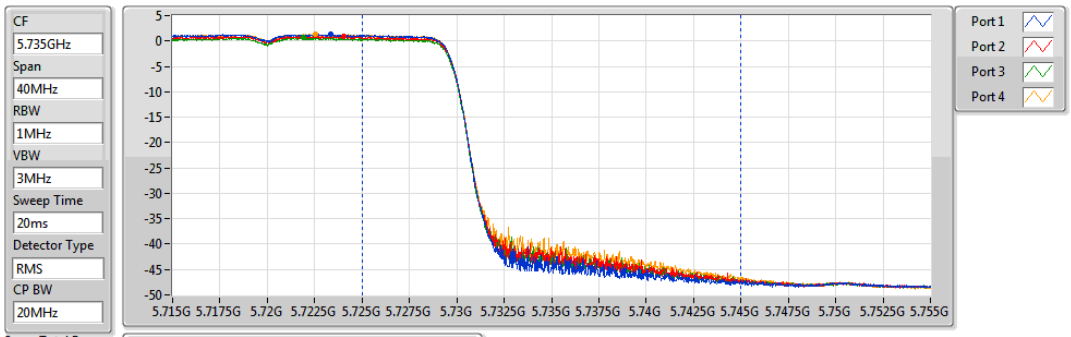
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.91	12.15	11.93	11.39	12.03

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

11/07/2020



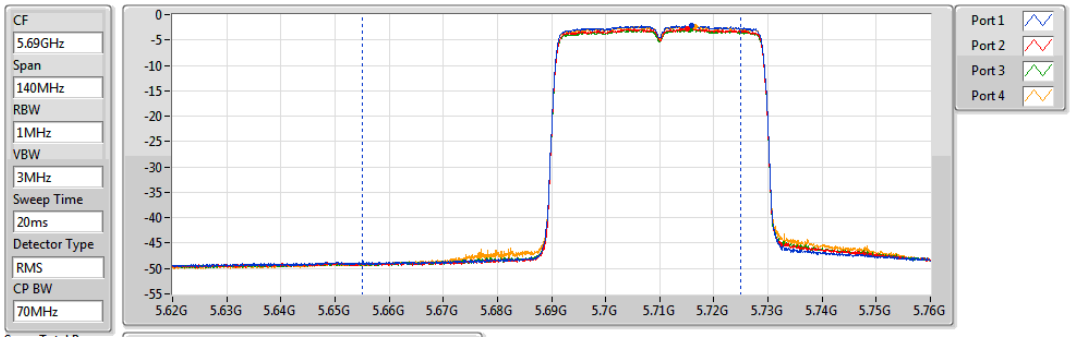
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.87	7.10	6.74	6.40	7.11

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

11/07/2020



Sum=Total Power
PX=Port X

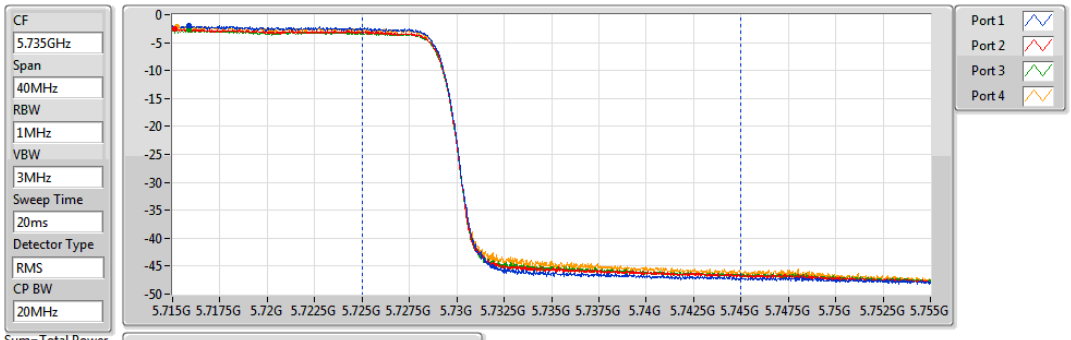
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.93	12.28	11.69	11.49	12.13

For EUT 1 / Radio 1_Beamforming Mode

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

11/07/2020

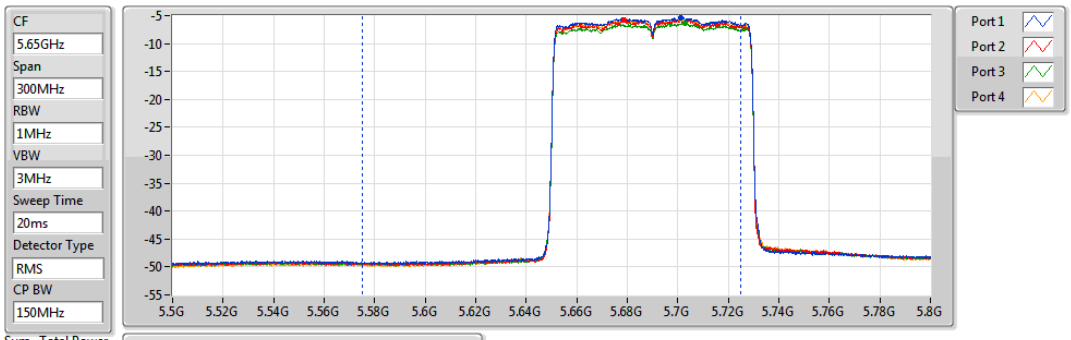


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8.46	2.82	2.20	2.05	2.64

802.11ax HEW80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

11/07/2020

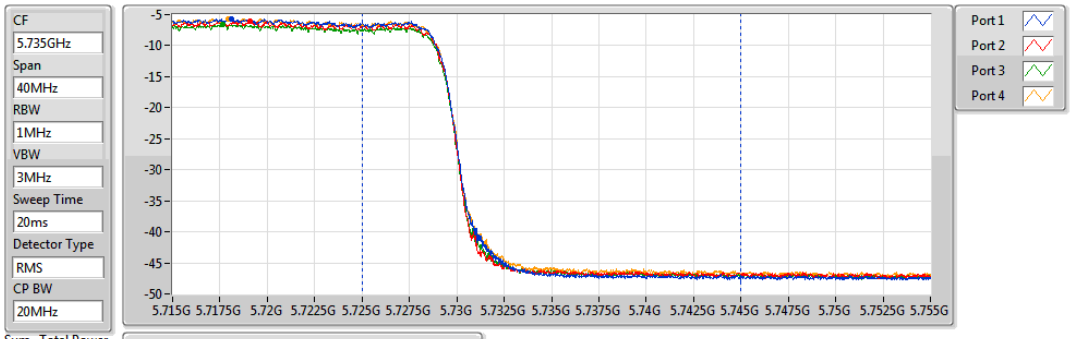


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.77	12.18	11.72	11.18	11.86

802.11ax HEW80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

11/07/2020



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
4.71	-1.01	-1.42	-1.85	-1.03

For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	17.86	0.06109
802.11ax HEW20_Nss1,(MCS0)_4TX	18.29	0.06745
802.11ax HEW40_Nss1,(MCS0)_4TX	20.97	0.12503
802.11ax HEW80_Nss1,(MCS0)_4TX	23.91	0.24604
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	10.70	0.01175
802.11ax HEW20_Nss1,(MCS0)_4TX	12.25	0.01679
802.11ax HEW40_Nss1,(MCS0)_4TX	11.08	0.01282
802.11ax HEW80_Nss1,(MCS0)_4TX	10.42	0.01102

For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	6.00	11.12	12.24	11.54	11.65	17.68	23.98
5580MHz	Pass	6.00	12.30	11.11	11.85	12.00	17.86	23.98
5700MHz	Pass	6.00	10.71	12.60	11.16	11.47	17.56	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	10.28	11.83	10.59	10.62	16.89	22.91
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	4.05	5.56	4.50	4.44	10.70	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	6.00	11.69	12.56	12.01	12.06	18.11	23.98
5580MHz	Pass	6.00	12.63	11.71	12.44	12.26	18.29	23.98
5700MHz	Pass	6.00	11.38	12.99	11.86	11.92	18.10	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	11.07	12.40	11.19	11.15	17.51	22.93
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	5.72	7.04	6.05	6.00	12.25	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	6.00	14.31	15.01	14.20	14.60	20.56	23.98
5550MHz	Pass	6.00	15.35	14.87	14.32	14.64	20.83	23.98
5670MHz	Pass	6.00	15.10	15.32	14.62	14.73	20.97	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	6.00	14.58	15.61	14.62	14.60	20.90	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	6.00	4.61	5.80	4.80	4.92	11.08	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	6.00	14.87	15.48	14.68	15.18	21.08	23.98
5610MHz	Pass	6.00	18.07	16.83	16.68	16.40	23.06	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	6.00	17.81	18.66	17.64	17.33	23.91	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	6.00	3.87	5.10	4.29	4.24	10.42	30.00

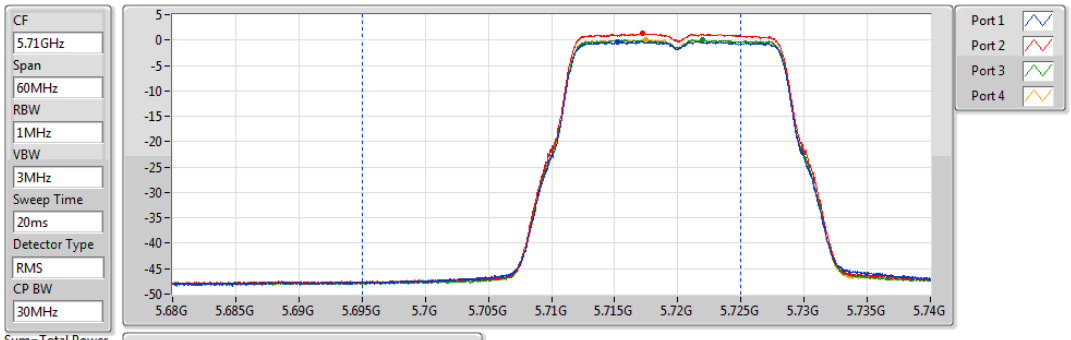
DG = Directional Gain; **Port X** = Port X output power

For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

17/07/2020

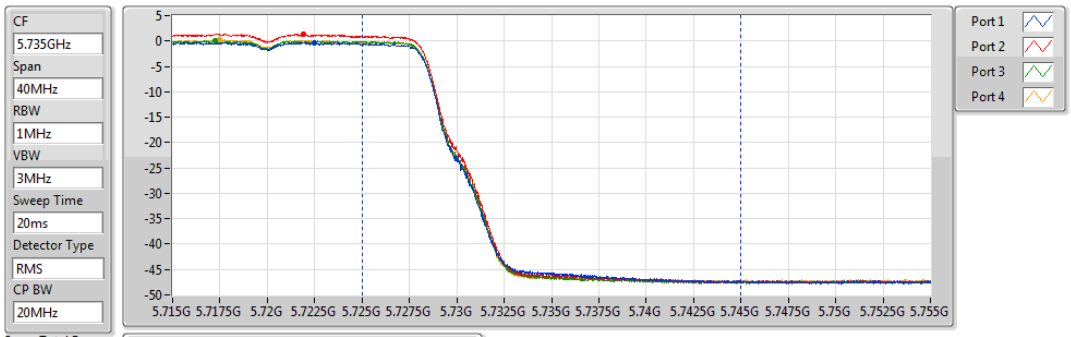


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.89	10.28	11.83	10.59	10.62

802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

17/07/2020

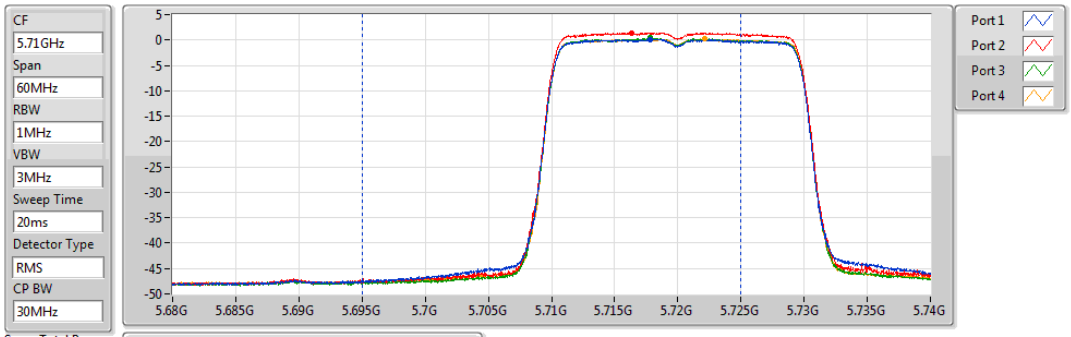


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.70	4.05	5.56	4.50	4.44

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

17/07/2020



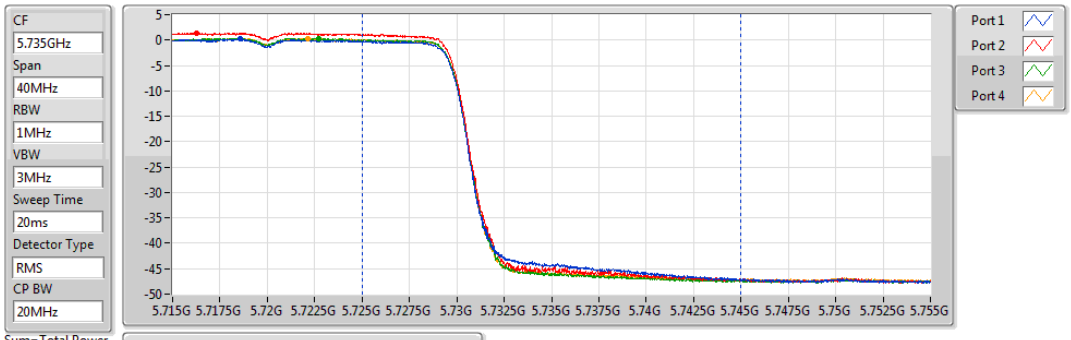
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.51	11.07	12.40	11.19	11.15

For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

17/07/2020

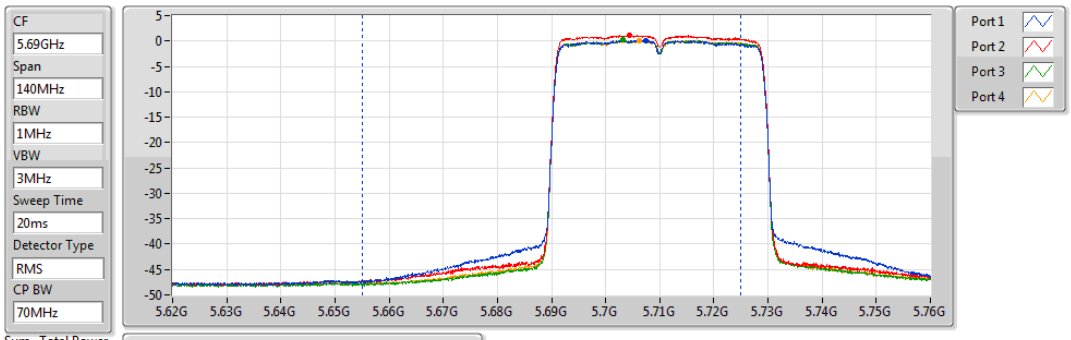


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.25	5.72	7.04	6.05	6.00

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

17/07/2020

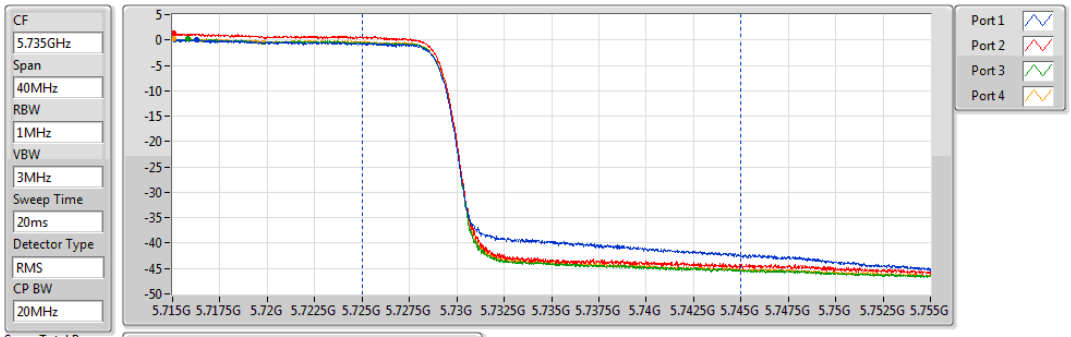


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.90	14.58	15.61	14.62	14.60

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

17/07/2020



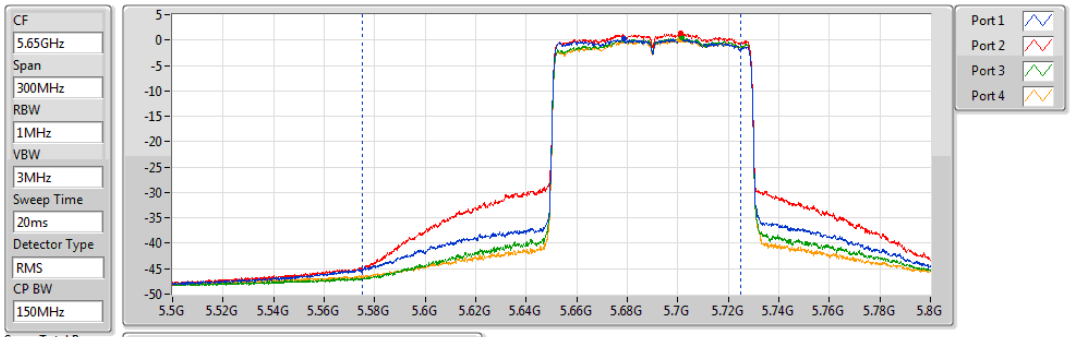
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.08	4.61	5.80	4.80	4.92

For EUT 1 / Radio 2 Band 3 only_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

17/07/2020



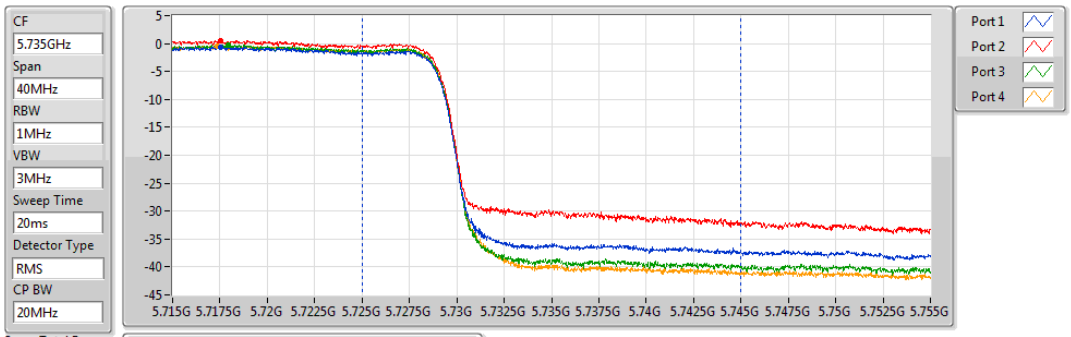
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.91	17.81	18.66	17.64	17.33

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

17/07/2020



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.42	3.87	5.10	4.29	4.24

For EUT 1 / Radio 2 Band 3 only_Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.79	0.06012
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.94	0.06223
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.85	0.06095
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	12.25	0.01679
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.91	0.00618
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.33	0.00271

For EUT 1 / Radio 2 Band 3 only_Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	12.02	11.37	12.21	11.61	11.82	17.78	17.96
5580MHz	Pass	12.02	12.06	11.13	11.90	11.91	17.79	17.96
5700MHz	Pass	12.02	11.16	12.65	11.37	11.55	17.74	17.96
5720MHz Straddle 5.47-5.725GHz	Pass	12.02	11.07	12.4	11.19	11.15	17.51	17.96
5720MHz Straddle 5.725-5.85GHz	Pass	12.02	5.72	7.04	6.05	6	12.25	23.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	12.02	11.60	12.27	11.63	12.12	17.94	17.96
5550MHz	Pass	12.02	12.20	11.70	11.27	11.75	17.76	17.96
5670MHz	Pass	12.02	11.84	12.54	11.58	11.51	17.91	17.96
5710MHz Straddle 5.47-5.725GHz	Pass	12.02	11.50	12.64	11.42	11.58	17.84	17.96
5710MHz Straddle 5.725-5.85GHz	Pass	12.02	1.47	2.56	1.57	1.87	7.91	23.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	12.02	11.39	12.10	11.49	11.81	17.73	17.96
5610MHz	Pass	12.02	12.82	11.41	11.50	11.41	17.85	17.96
5690MHz Straddle 5.47-5.725GHz	Pass	12.02	11.44	12.59	11.39	11.39	17.75	17.96
5690MHz Straddle 5.725-5.85GHz	Pass	12.02	-2.22	-1.14	-1.93	-1.54	4.33	23.98

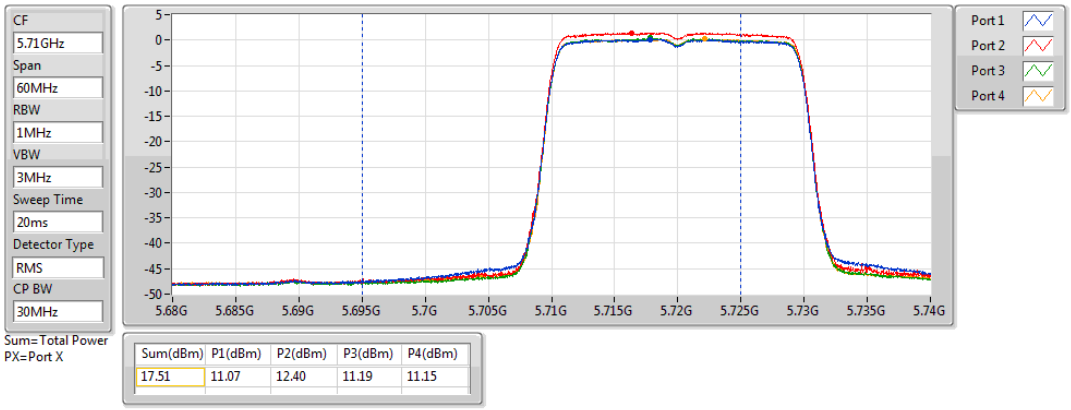
DG = Directional Gain; **Port X** = Port X output power

For EUT 1 / Radio 2 Band 3 only_Beamforming Mode

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

17/07/2020

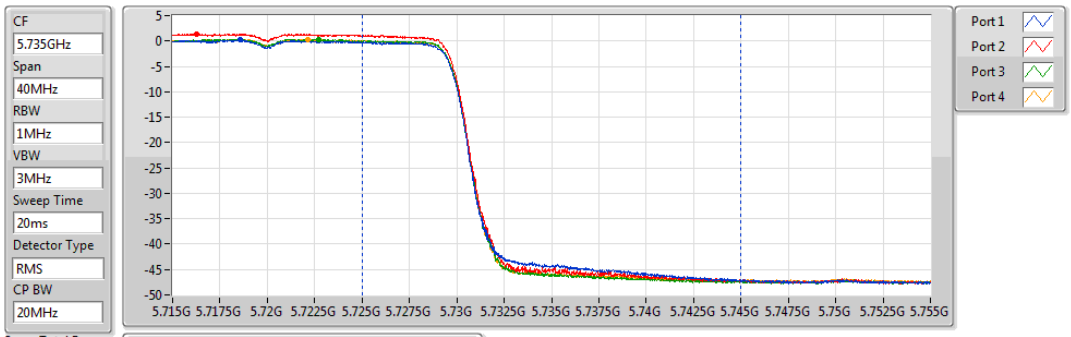


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.51	11.07	12.40	11.19	11.15

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

17/07/2020

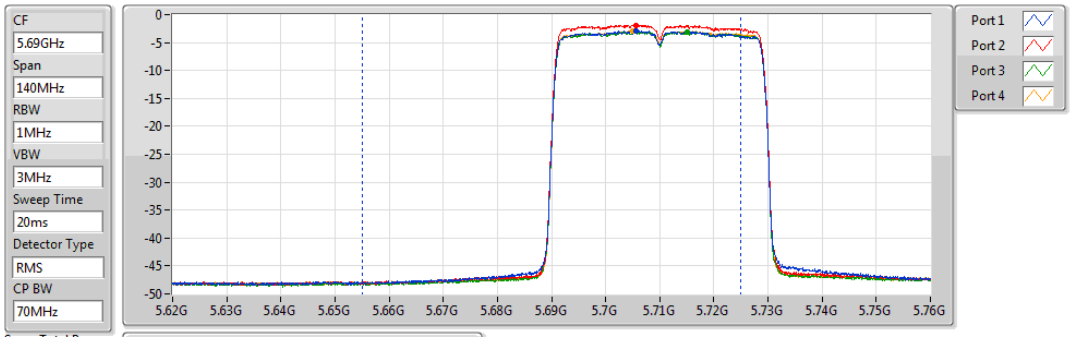


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.25	5.72	7.04	6.05	6.00

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

17/07/2020



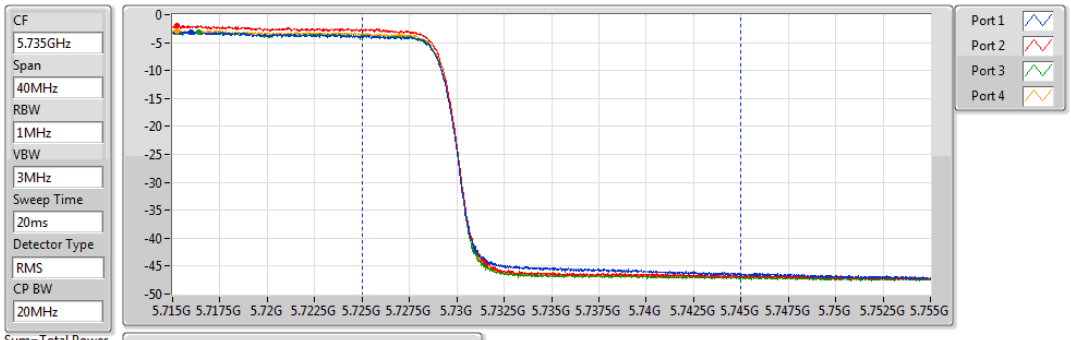
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.84	11.50	12.64	11.42	11.58

For EUT 1 / Radio 2 Band 3 only_Beamforming Mode

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

17/07/2020

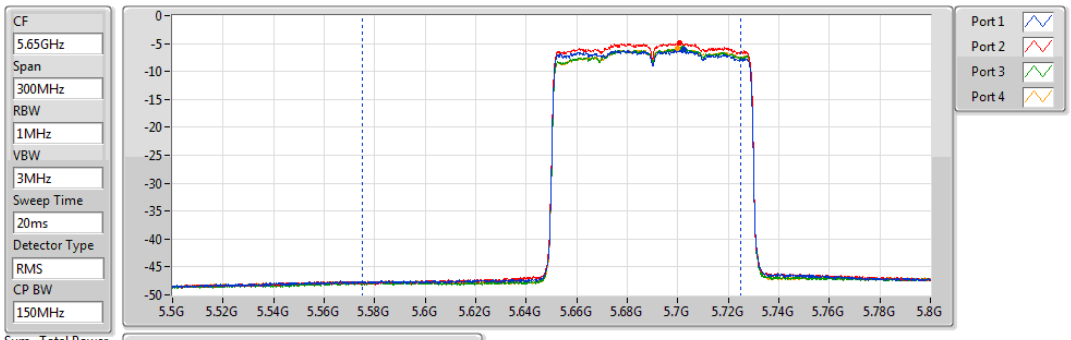


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
7.91	1.47	2.56	1.57	1.87

802.11ax HEW80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

17/07/2020

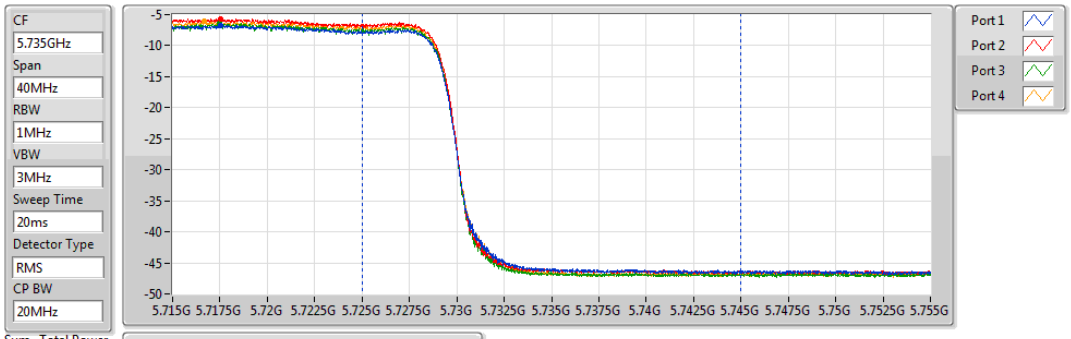


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.75	11.44	12.59	11.39	11.39

802.11ax HEW80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

17/07/2020



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
4.33	-2.22	-1.14	-1.93	-1.54

For EUT 1 / Radio 3_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.54	0.17947
802.11ax HEW20_Nss1,(MCS0)_2TX	23.03	0.20091
802.11ax HEW40_Nss1,(MCS0)_2TX	23.90	0.24547
802.11ax HEW80_Nss1,(MCS0)_2TX	19.31	0.08531
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.70	0.18621
802.11ax HEW20_Nss1,(MCS0)_2TX	22.99	0.19907
802.11ax HEW40_Nss1,(MCS0)_2TX	23.94	0.24774
802.11ax HEW80_Nss1,(MCS0)_2TX	23.82	0.24099
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	15.16	0.03281
802.11ax HEW20_Nss1,(MCS0)_2TX	16.57	0.04539
802.11ax HEW40_Nss1,(MCS0)_2TX	14.32	0.02704
802.11ax HEW80_Nss1,(MCS0)_2TX	10.49	0.01119

For EUT 1 / Radio 3_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	4.70	19.45	19.38	22.43	23.98
5300MHz	Pass	4.70	19.37	19.69	22.54	23.98
5320MHz	Pass	4.70	19.25	19.57	22.42	23.98
5500MHz	Pass	4.70	17.71	19.04	21.44	23.98
5580MHz	Pass	4.70	18.96	20.31	22.70	23.98
5700MHz	Pass	4.70	14.95	16.42	18.76	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.70	17.29	18.99	21.23	22.99
5720MHz Straddle 5.725-5.85GHz	Pass	4.70	11.17	12.95	15.16	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	4.70	19.91	20.12	23.03	23.98
5300MHz	Pass	4.70	19.82	20.00	22.92	23.98
5320MHz	Pass	4.70	19.41	19.77	22.60	23.98
5500MHz	Pass	4.70	17.40	18.52	21.01	23.98
5580MHz	Pass	4.70	19.31	20.56	22.99	23.98
5700MHz	Pass	4.70	13.09	14.31	16.75	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.70	17.57	19.46	21.63	23.09
5720MHz Straddle 5.725-5.85GHz	Pass	4.70	12.57	14.36	16.57	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	4.70	21.17	20.58	23.90	23.98
5310MHz	Pass	4.70	17.02	16.73	19.89	23.98
5510MHz	Pass	4.70	16.37	17.63	20.06	23.98
5550MHz	Pass	4.70	20.40	21.41	23.94	23.98
5670MHz	Pass	4.70	18.46	20.08	22.36	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.70	19.89	21.71	23.90	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.70	10.31	12.12	14.32	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	4.70	16.57	16.02	19.31	23.98
5530MHz	Pass	4.70	15.95	17.37	19.73	23.98
5610MHz	Pass	4.70	19.56	21.48	23.64	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.70	19.90	21.56	23.82	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.70	6.64	8.19	10.49	30.00

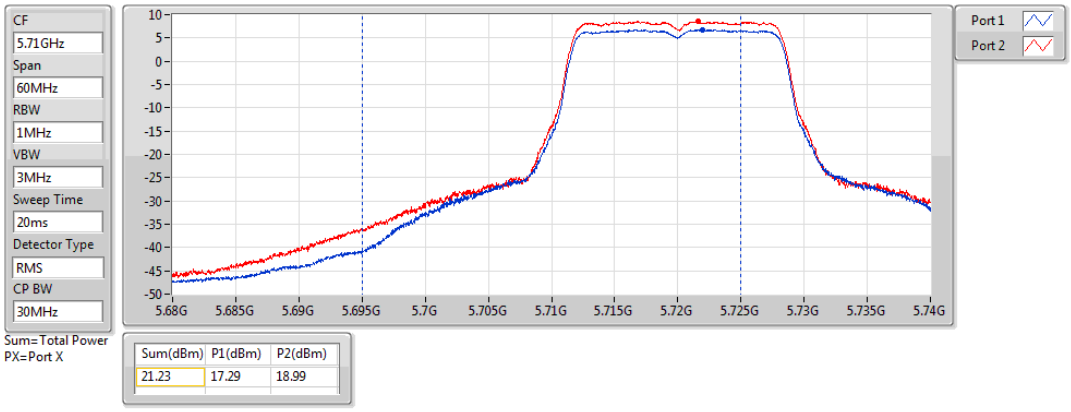
DG = Directional Gain; **Port X** = Port X output power

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

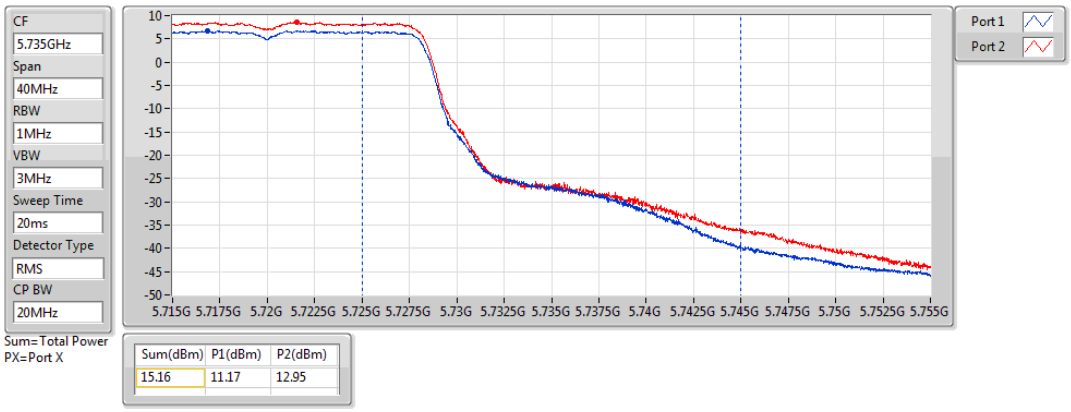
13/07/2020



802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

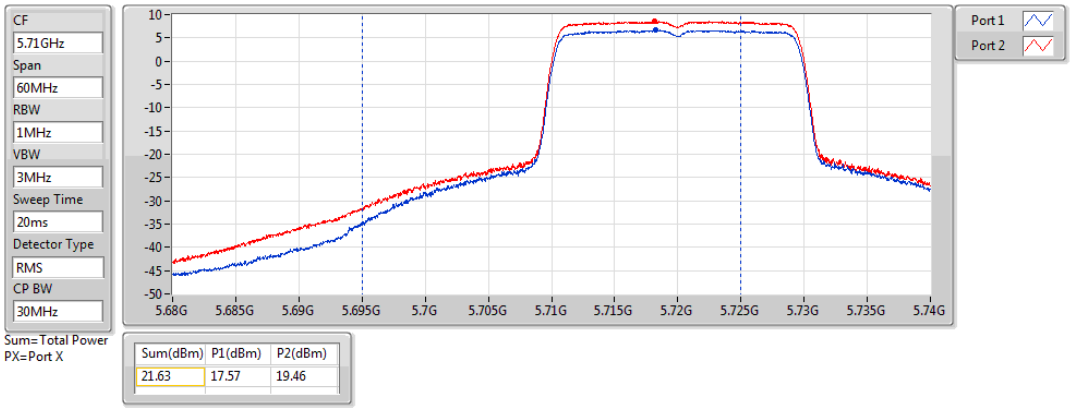
13/07/2020



802.11ax HEW20_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

13/07/2020

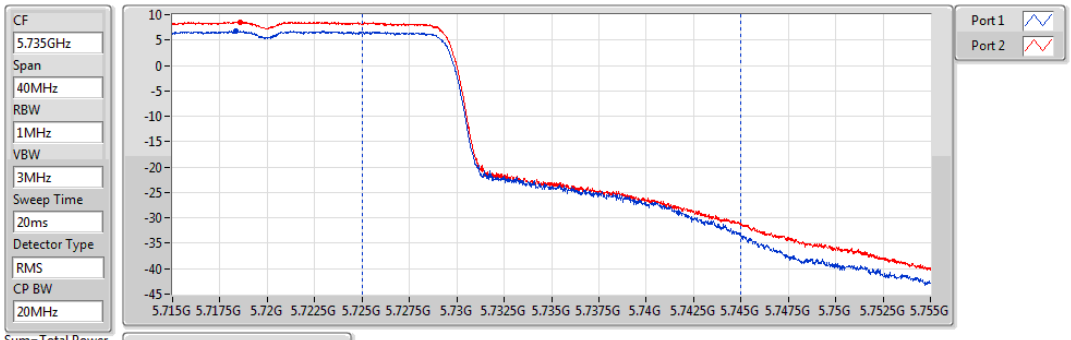


For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

13/07/2020



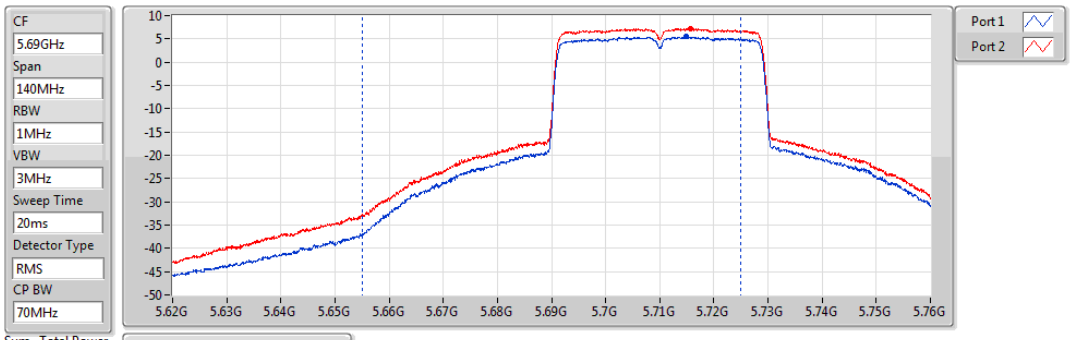
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
16.57	12.57	14.36

802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

13/07/2020



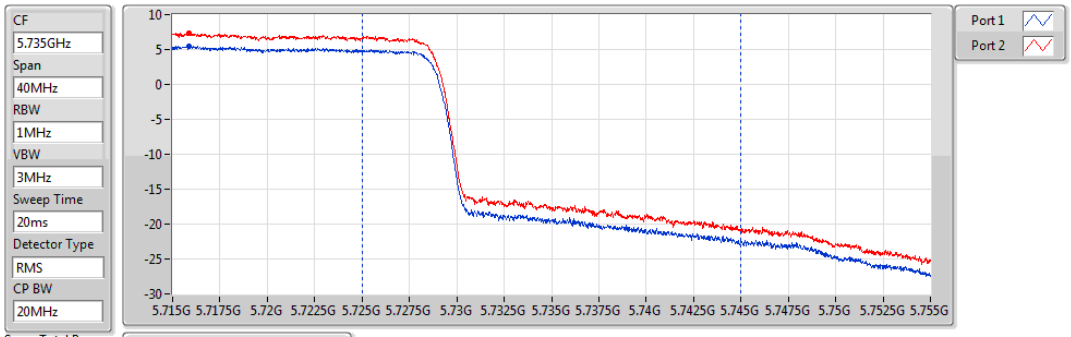
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
23.90	19.89	21.71

802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

13/07/2020



Sum=Total Power
PX=Port X

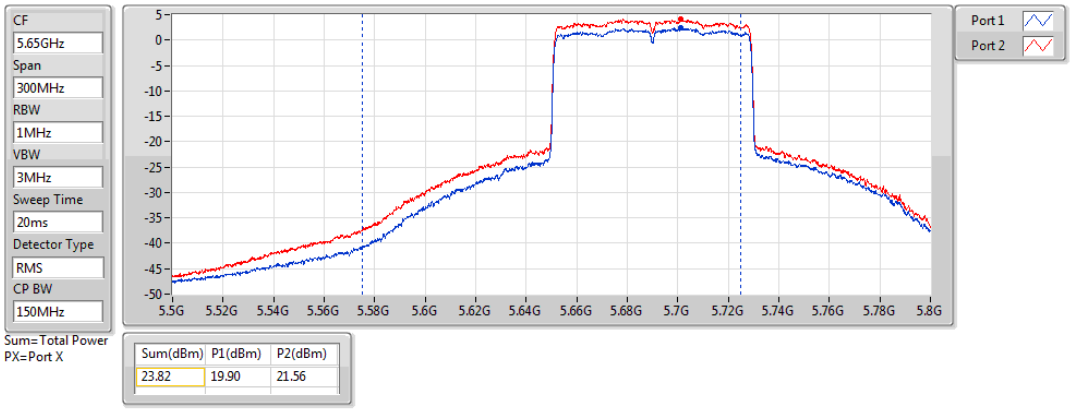
Sum(dBm)	P1(dBm)	P2(dBm)
14.32	10.31	12.12

For EUT 1 / Radio 3_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

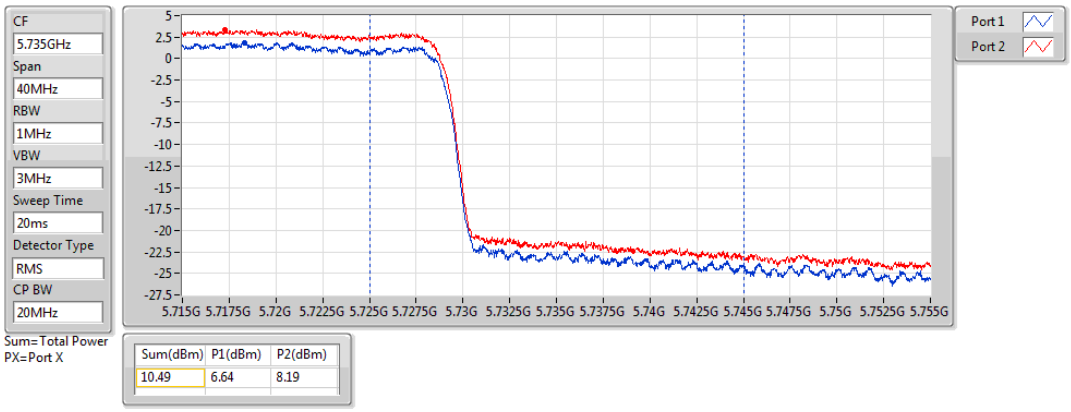
13/07/2020



802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

13/07/2020



For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	17.91	0.06180
802.11ax HEW20_Nss1,(MCS0)_4TX	18.63	0.07295
802.11ax HEW40_Nss1,(MCS0)_4TX	21.32	0.13552
802.11ax HEW80_Nss1,(MCS0)_4TX	19.63	0.09183
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	17.98	0.06281
802.11ax HEW20_Nss1,(MCS0)_4TX	18.56	0.07178
802.11ax HEW40_Nss1,(MCS0)_4TX	21.24	0.13305
802.11ax HEW80_Nss1,(MCS0)_4TX	23.80	0.23988
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	10.90	0.01230
802.11ax HEW20_Nss1,(MCS0)_4TX	12.19	0.01656
802.11ax HEW40_Nss1,(MCS0)_4TX	11.21	0.01321
802.11ax HEW80_Nss1,(MCS0)_4TX	10.53	0.01130

For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.00	11.98	11.44	11.63	11.92	17.77	23.98
5300MHz	Pass	6.00	12.06	11.72	11.57	12.17	17.91	23.98
5320MHz	Pass	6.00	12.03	11.77	11.09	12.03	17.77	23.98
5500MHz	Pass	6.00	12.01	11.97	11.45	12.36	17.98	23.98
5580MHz	Pass	6.00	11.90	11.71	11.67	12.20	17.90	23.98
5700MHz	Pass	6.00	11.82	11.93	12.16	11.69	17.92	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	10.98	11.09	11.25	10.63	17.01	22.91
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	4.85	4.93	5.19	4.53	10.90	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.00	12.49	12.15	12.46	12.71	18.48	23.98
5300MHz	Pass	6.00	12.74	12.63	12.29	12.77	18.63	23.98
5320MHz	Pass	6.00	12.71	12.45	12.04	12.82	18.54	23.98
5500MHz	Pass	6.00	12.48	12.42	12.17	12.82	18.50	23.98
5580MHz	Pass	6.00	12.63	12.36	12.23	12.92	18.56	23.98
5700MHz	Pass	6.00	12.16	12.36	12.33	11.97	18.23	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	11.38	11.34	11.67	11.01	17.38	22.94
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	6.16	6.11	6.51	5.87	12.19	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	6.00	15.19	15.16	15.30	15.54	21.32	23.98
5310MHz	Pass	6.00	14.58	14.54	14.08	14.59	20.47	23.98
5510MHz	Pass	6.00	14.26	14.12	13.86	14.37	20.18	23.98
5550MHz	Pass	6.00	15.23	15.30	14.97	15.35	21.24	23.98
5670MHz	Pass	6.00	15.12	15.13	15.34	14.77	21.12	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	6.00	14.90	14.91	15.38	14.57	20.97	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	6.00	5.15	5.12	5.67	4.78	11.21	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	6.00	13.56	13.44	13.59	13.84	19.63	23.98
5530MHz	Pass	6.00	14.18	14.12	14.12	14.51	20.26	23.98
5610MHz	Pass	6.00	16.88	17.01	16.92	16.71	22.90	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	6.00	17.74	17.91	17.95	17.49	23.80	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	6.00	4.38	4.59	4.90	4.13	10.53	30.00

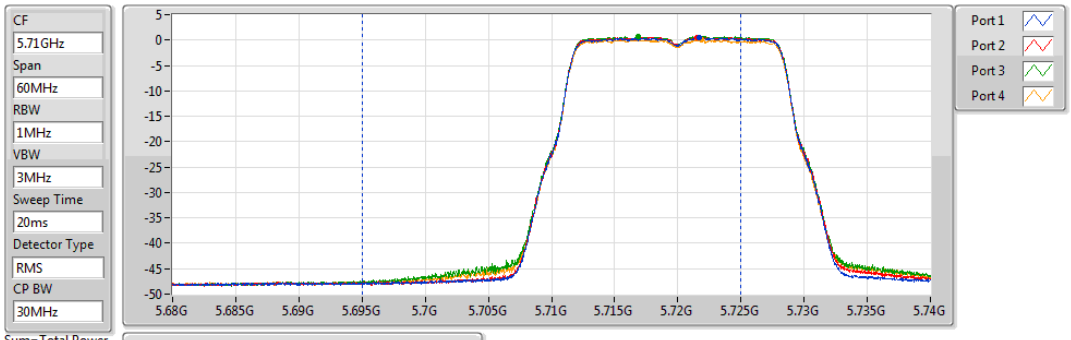
DG = Directional Gain; **Port X** = Port X output power

For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

15/07/2020



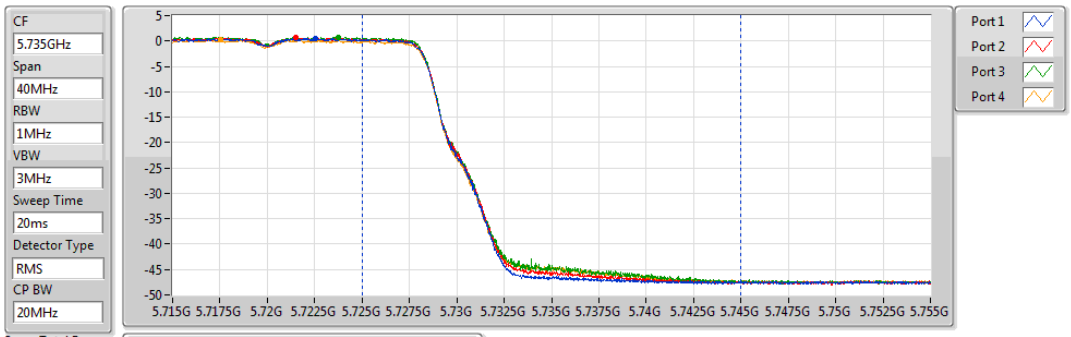
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.01	10.98	11.09	11.25	10.63

802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

15/07/2020



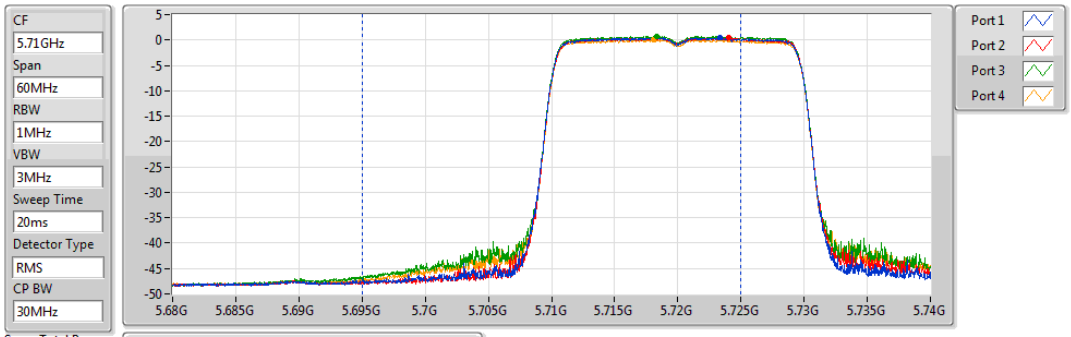
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.90	4.85	4.93	5.19	4.53

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

15/07/2020



Sum=Total Power
PX=Port X

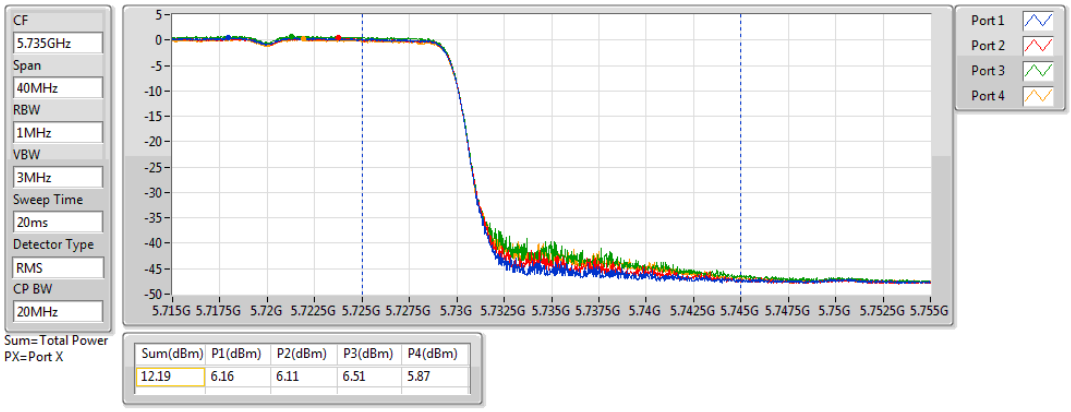
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.38	11.38	11.34	11.67	11.01

For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

15/07/2020

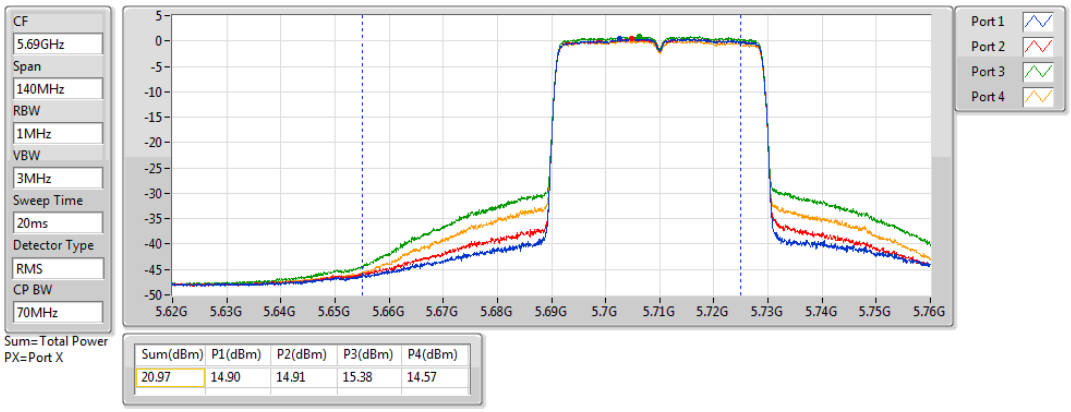


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.19	6.16	6.11	6.51	5.87

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

15/07/2020

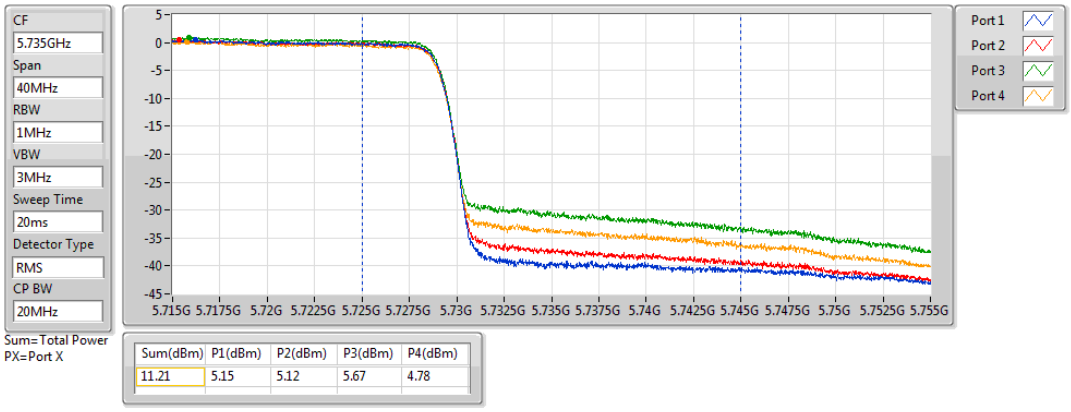


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.97	14.90	14.91	15.38	14.57

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

15/07/2020



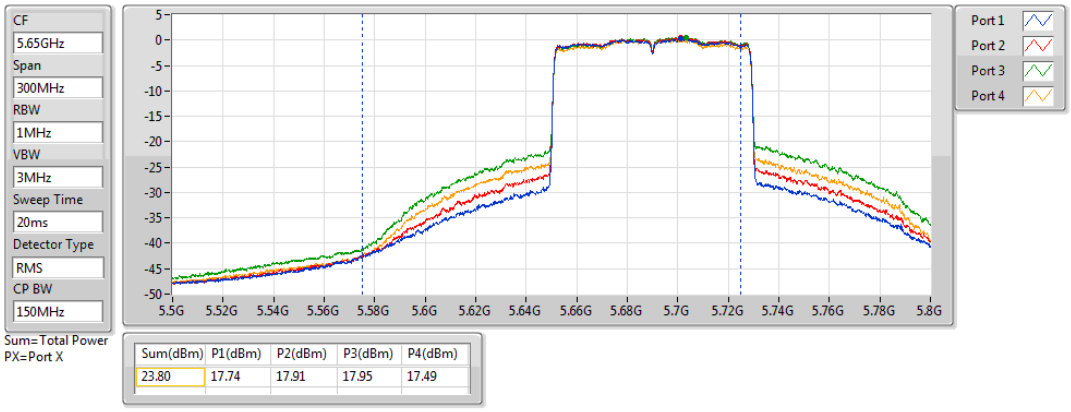
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.21	5.15	5.12	5.67	4.78

For EUT 2 / Radio 1 / External Ant.1_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

15/07/2020

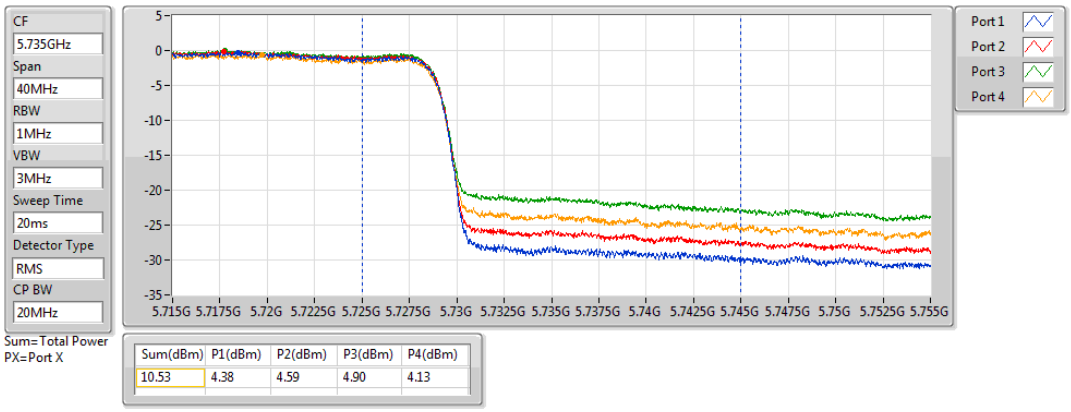


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.80	17.74	17.91	17.95	17.49

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

15/07/2020



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.53	4.38	4.59	4.90	4.13

For EUT 2 / Radio 1 / External Ant.1_Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.84	0.06081
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.89	0.06152
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.77	0.05984
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.90	0.06166
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.92	0.06194
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.94	0.06223
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	12.19	0.01656
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	8.13	0.00650
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.62	0.00290

For EUT 2 / Radio 1 / External Ant.1_Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	12.02	11.68	11.68	11.78	12.12	17.84	17.96
5300MHz	Pass	12.02	12.10	11.68	11.45	12.02	17.84	17.96
5320MHz	Pass	12.02	12.11	11.81	11.16	12.14	17.84	17.96
5500MHz	Pass	12.02	11.93	11.89	11.26	12.26	17.87	17.96
5580MHz	Pass	12.02	11.90	11.44	11.40	12.23	17.78	17.96
5700MHz	Pass	12.02	11.63	12.10	12.13	11.61	17.90	17.96
5720MHz Straddle 5.47-5.725GHz	Pass	12.02	11.38	11.34	11.67	11.01	17.38	17.96
5720MHz Straddle 5.725-5.85GHz	Pass	12.02	6.16	6.11	6.51	5.87	12.19	23.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	12.02	11.81	11.78	11.51	11.89	17.77	17.96
5310MHz	Pass	12.02	11.95	11.90	11.54	12.07	17.89	17.96
5510MHz	Pass	12.02	11.82	11.68	11.21	12.14	17.75	17.96
5550MHz	Pass	12.02	11.90	12.09	11.48	12.06	17.91	17.96
5670MHz	Pass	12.02	11.95	11.71	11.88	11.53	17.79	17.96
5710MHz Straddle 5.47-5.725GHz	Pass	12.02	12.06	11.79	12.19	11.51	17.92	17.96
5710MHz Straddle 5.725-5.85GHz	Pass	12.02	2.32	2.01	2.40	1.65	8.13	23.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	12.02	11.77	11.77	11.53	11.92	17.77	17.96
5530MHz	Pass	12.02	11.91	11.87	11.24	12.06	17.80	17.96
5610MHz	Pass	12.02	11.91	11.78	11.58	11.68	17.76	17.96
5690MHz Straddle 5.47-5.725GHz	Pass	12.02	11.98	11.99	12.05	11.66	17.94	17.96
5690MHz Straddle 5.725-5.85GHz	Pass	12.02	-1.42	-1.34	-1.12	-1.73	4.62	23.98

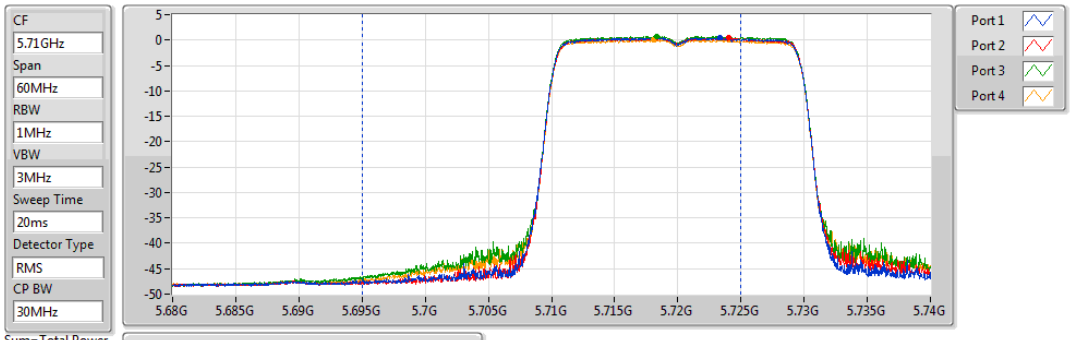
DG = Directional Gain; **Port X** = Port X output power

For EUT 2 / Radio 1 / External Ant.1_Beamforming Mode

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

15/07/2020



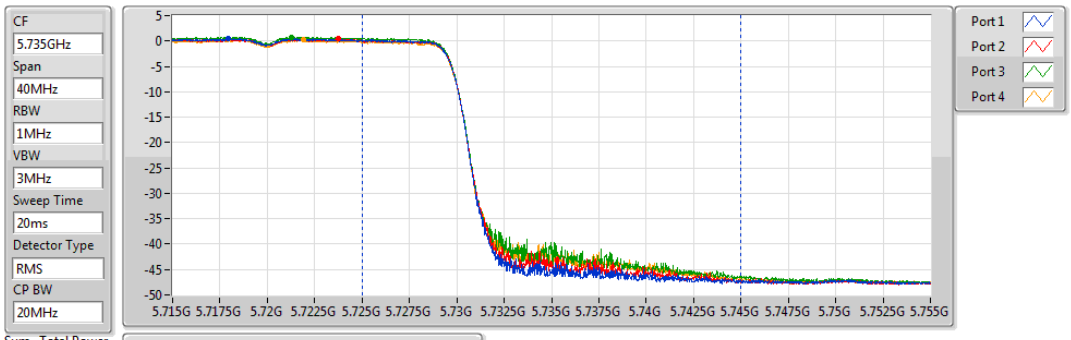
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.38	11.38	11.34	11.67	11.01

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

15/07/2020



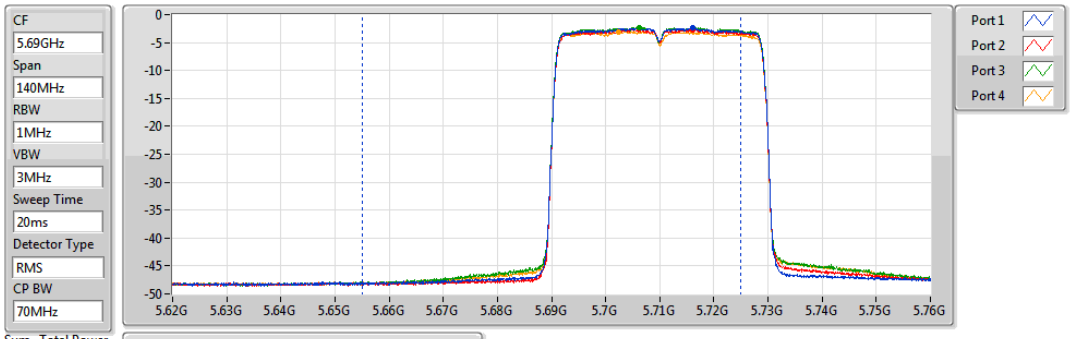
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.19	6.16	6.11	6.51	5.87

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

15/07/2020



Sum=Total Power
PX=Port X

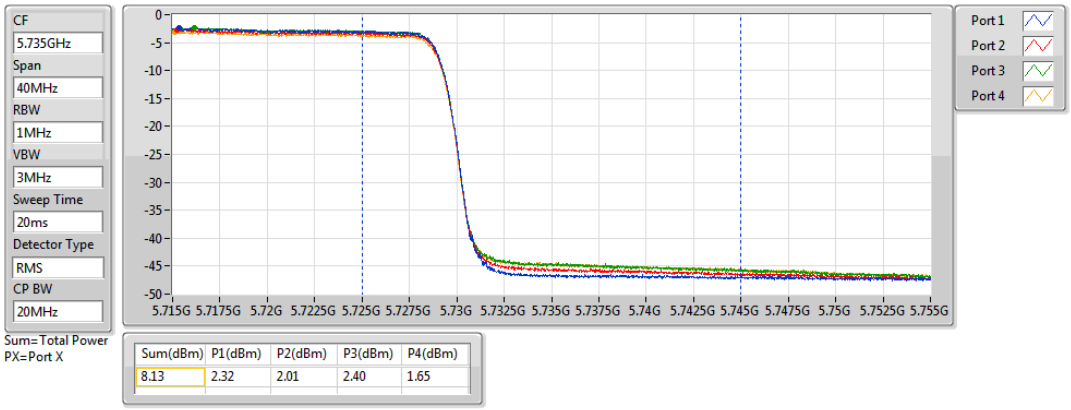
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.92	12.06	11.79	12.19	11.51

For EUT 2 / Radio 1 / External Ant.1_Beamforming Mode

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

15/07/2020

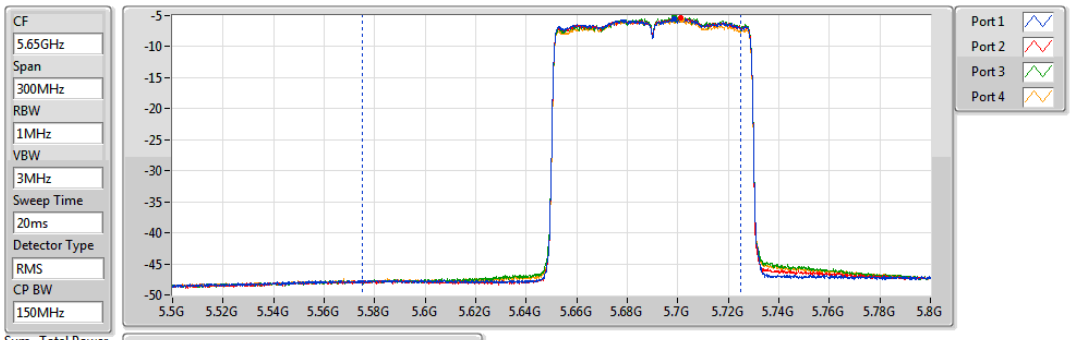


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8.13	2.32	2.01	2.40	1.65

802.11ax HEW80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

15/07/2020

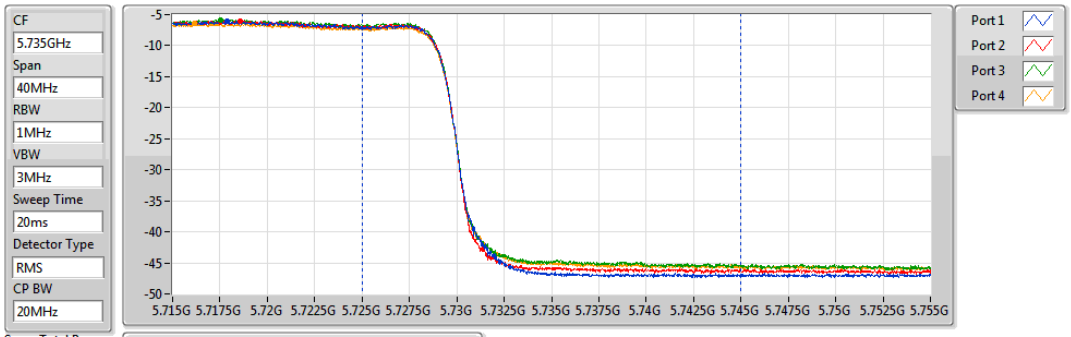


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.94	11.98	11.99	12.05	11.66

802.11ax HEW80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

15/07/2020



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
4.62	-1.42	-1.34	-1.12	-1.73

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.85	0.12162
802.11ax HEW20_Nss1,(MCS0)_2TX	21.52	0.14191
802.11ax HEW40_Nss1,(MCS0)_2TX	23.74	0.23659
802.11ax HEW80_Nss1,(MCS0)_2TX	19.68	0.09290
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.75	0.11885
802.11ax HEW20_Nss1,(MCS0)_2TX	21.41	0.13836
802.11ax HEW40_Nss1,(MCS0)_2TX	23.91	0.24604
802.11ax HEW80_Nss1,(MCS0)_2TX	23.84	0.24210
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	13.88	0.02443
802.11ax HEW20_Nss1,(MCS0)_2TX	15.31	0.03396
802.11ax HEW40_Nss1,(MCS0)_2TX	14.21	0.02636
802.11ax HEW80_Nss1,(MCS0)_2TX	10.65	0.01161

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.00	17.56	17.53	20.56	23.98
5300MHz	Pass	6.00	17.53	18.13	20.85	23.98
5320MHz	Pass	6.00	17.40	17.98	20.71	23.98
5500MHz	Pass	6.00	16.59	17.31	19.98	23.98
5580MHz	Pass	6.00	17.32	18.12	20.75	23.98
5700MHz	Pass	6.00	15.79	17.30	19.62	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	16.02	17.52	19.84	22.91
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	10.06	11.55	13.88	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.00	18.22	18.46	21.35	23.98
5300MHz	Pass	6.00	18.24	18.49	21.38	23.98
5320MHz	Pass	6.00	18.11	18.88	21.52	23.98
5500MHz	Pass	6.00	17.99	18.77	21.41	23.98
5580MHz	Pass	6.00	17.87	18.68	21.30	23.98
5700MHz	Pass	6.00	14.40	15.87	18.21	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	16.52	18.12	20.40	22.93
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	11.47	13.00	15.31	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	6.00	20.84	20.61	23.74	23.98
5310MHz	Pass	6.00	16.66	17.27	19.99	23.98
5510MHz	Pass	6.00	16.91	17.33	20.14	23.98
5550MHz	Pass	6.00	20.63	21.15	23.91	23.98
5670MHz	Pass	6.00	18.74	20.65	22.81	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	6.00	19.89	21.64	23.86	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	6.00	10.25	11.98	14.21	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	6.00	16.55	16.78	19.68	23.98
5530MHz	Pass	6.00	16.27	17.16	19.75	23.98
5610MHz	Pass	6.00	19.81	21.65	23.84	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	6.00	19.88	21.60	23.83	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	6.00	6.79	8.35	10.65	30.00

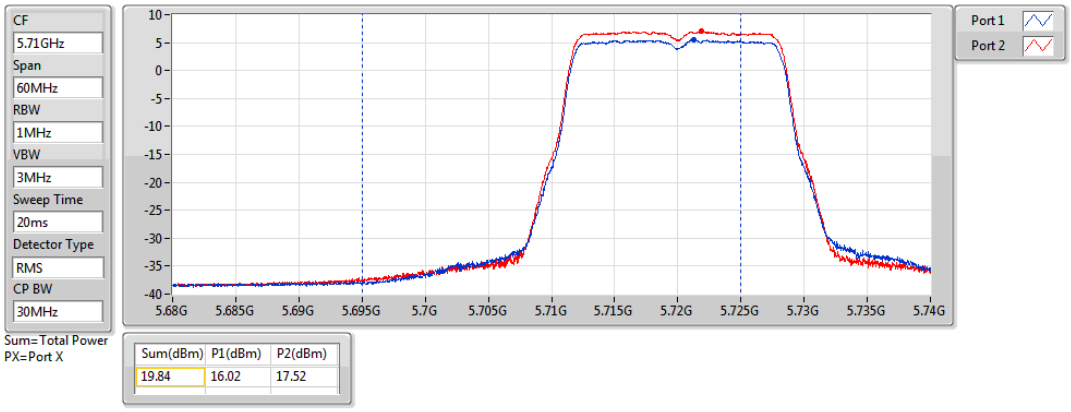
DG = Directional Gain; **Port X** = Port X output power

For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

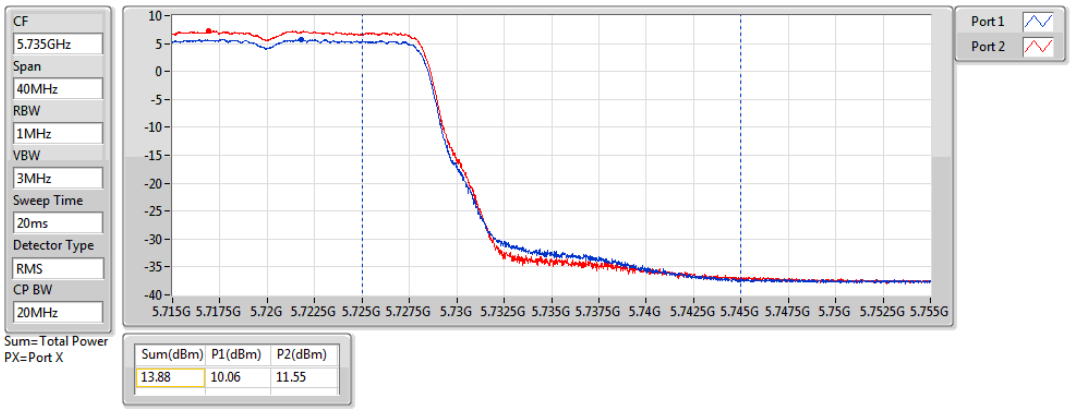
15/07/2020



802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

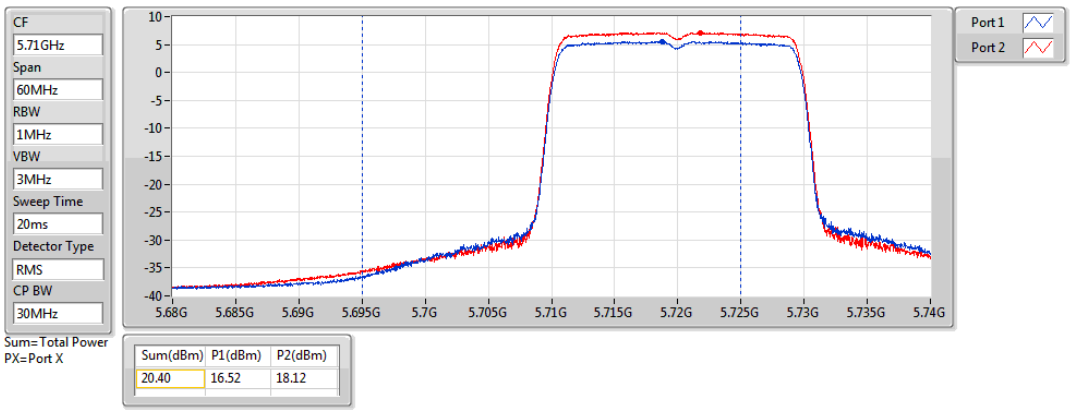
15/07/2020



802.11ax HEW20_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

15/07/2020

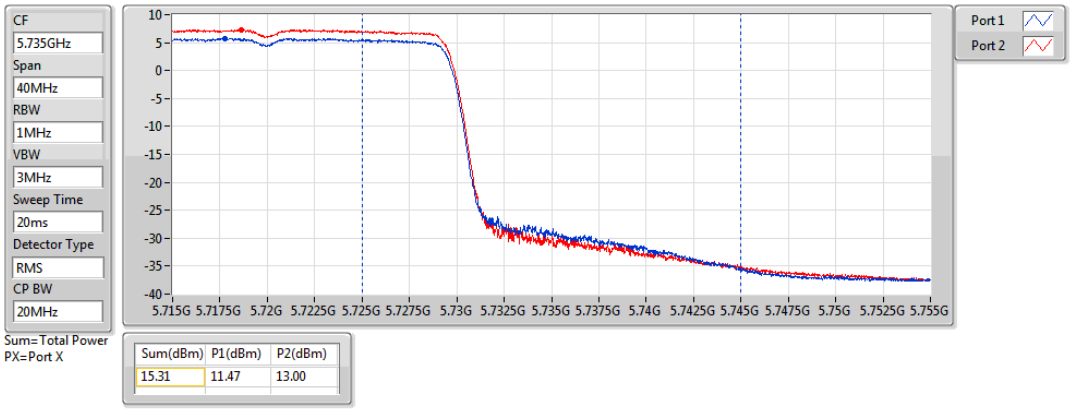


For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

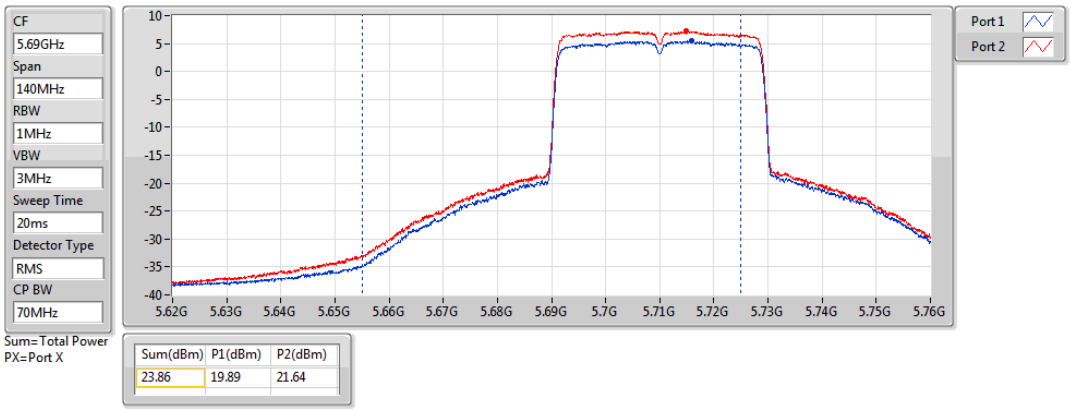
15/07/2020



802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

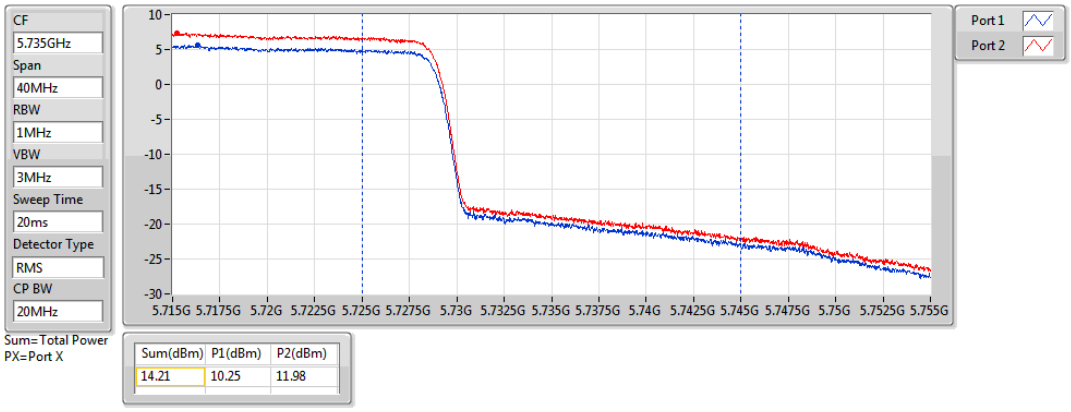
15/07/2020



802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

15/07/2020

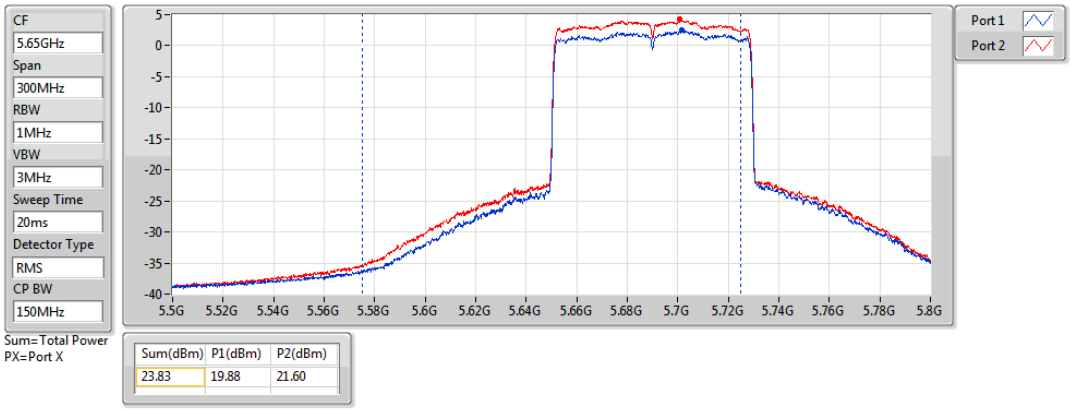


For EUT 2 / Radio 3 / External Ant.1_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

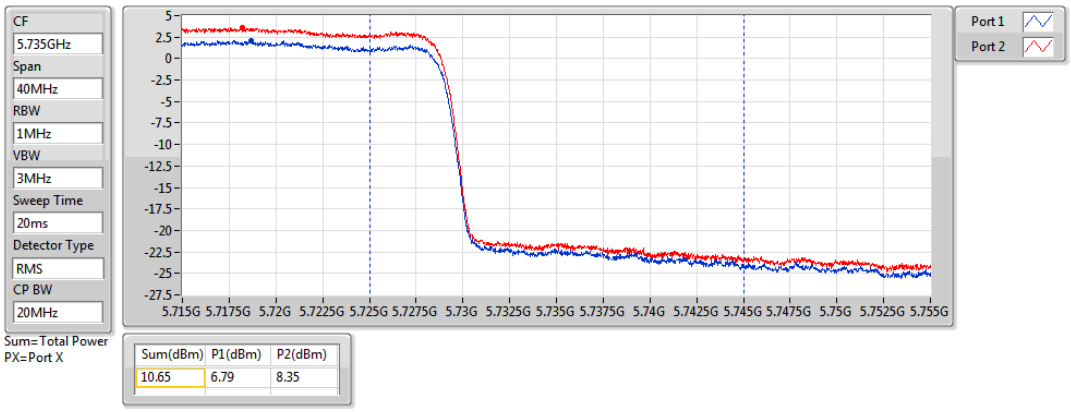
15/07/2020



802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

15/07/2020



For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	13.93	0.02472
802.11ax HEW20_Nss1,(MCS0)_4TX	14.60	0.02884
802.11ax HEW40_Nss1,(MCS0)_4TX	17.31	0.05383
802.11ax HEW80_Nss1,(MCS0)_4TX	19.41	0.08730
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	14.05	0.02541
802.11ax HEW20_Nss1,(MCS0)_4TX	14.61	0.02891
802.11ax HEW40_Nss1,(MCS0)_4TX	17.46	0.05572
802.11ax HEW80_Nss1,(MCS0)_4TX	19.85	0.09661
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	6.83	0.00482
802.11ax HEW20_Nss1,(MCS0)_4TX	8.29	0.00675
802.11ax HEW40_Nss1,(MCS0)_4TX	7.19	0.00524
802.11ax HEW80_Nss1,(MCS0)_4TX	6.50	0.00447

For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.00	7.75	7.71	7.92	8.24	13.93	19.98
5300MHz	Pass	10.00	7.73	7.76	7.55	8.29	13.86	19.98
5320MHz	Pass	10.00	7.71	7.83	7.26	8.37	13.83	19.98
5500MHz	Pass	10.00	7.93	7.72	7.33	8.61	13.94	19.98
5580MHz	Pass	10.00	7.86	7.37	7.44	8.24	13.76	19.98
5700MHz	Pass	10.00	7.94	8.46	7.89	7.81	14.05	19.98
5720MHz Straddle 5.47-5.725GHz	Pass	10.00	7.03	7.17	6.89	6.66	12.96	18.93
5720MHz Straddle 5.725-5.85GHz	Pass	10.00	0.90	0.95	0.82	0.54	6.83	26.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.00	8.38	8.29	8.40	8.82	14.50	19.98
5300MHz	Pass	10.00	8.55	8.47	8.18	9.07	14.60	19.98
5320MHz	Pass	10.00	8.81	8.39	8.06	8.98	14.60	19.98
5500MHz	Pass	10.00	8.85	8.51	7.90	9.01	14.61	19.98
5580MHz	Pass	10.00	8.59	8.34	8.11	8.88	14.51	19.98
5700MHz	Pass	10.00	8.50	8.81	8.60	8.39	14.60	19.98
5720MHz Straddle 5.47-5.725GHz	Pass	10.00	7.49	7.61	7.41	7.07	13.42	18.92
5720MHz Straddle 5.725-5.85GHz	Pass	10.00	2.31	2.39	2.35	2.02	8.29	26.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.00	11.23	11.31	10.83	11.27	17.18	19.98
5310MHz	Pass	10.00	11.47	11.46	10.64	11.54	17.31	19.98
5510MHz	Pass	10.00	11.32	11.06	10.76	11.54	17.20	19.98
5550MHz	Pass	10.00	11.64	11.47	10.92	11.37	17.38	19.98
5670MHz	Pass	10.00	11.57	11.41	11.62	11.15	17.46	19.98
5710MHz Straddle 5.47-5.725GHz	Pass	10.00	11.03	10.89	11.15	10.72	16.97	19.98
5710MHz Straddle 5.725-5.85GHz	Pass	10.00	1.22	1.15	1.40	0.91	7.19	26.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.00	13.31	13.26	13.37	13.61	19.41	19.98
5530MHz	Pass	10.00	13.36	13.71	13.54	14.02	19.68	19.98
5610MHz	Pass	10.00	13.80	13.98	13.84	13.62	19.83	19.98
5690MHz Straddle 5.47-5.725GHz	Pass	10.00	13.73	13.91	14.22	13.41	19.85	19.98
5690MHz Straddle 5.725-5.85GHz	Pass	10.00	0.34	0.53	1.04	-0.05	6.50	26.00

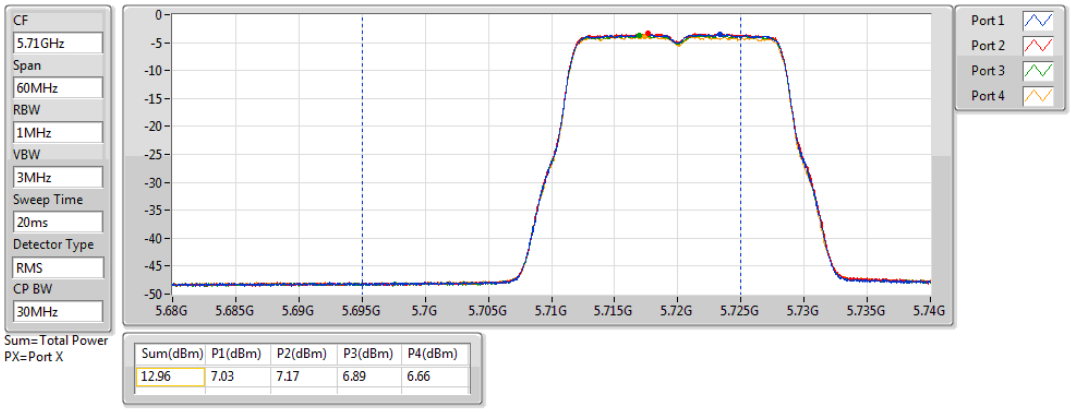
DG = Directional Gain; **Port X** = Port X output power

For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

15/07/2020

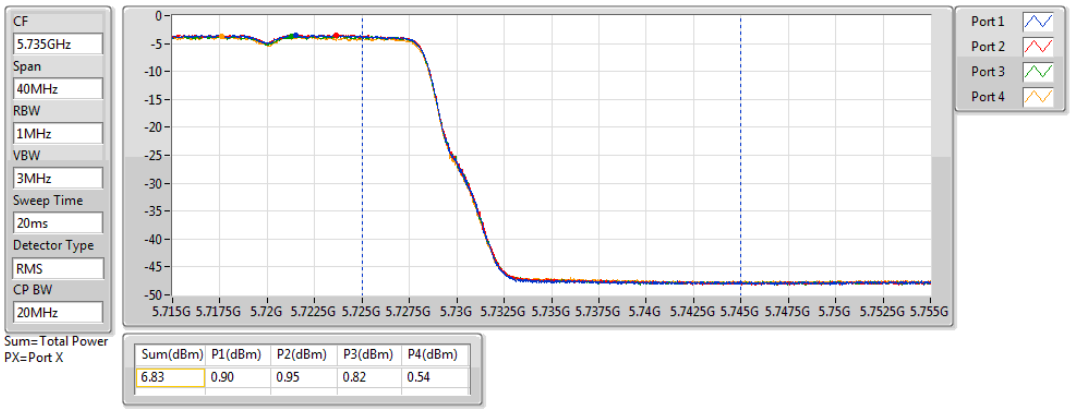


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.96	7.03	7.17	6.89	6.66

802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

15/07/2020

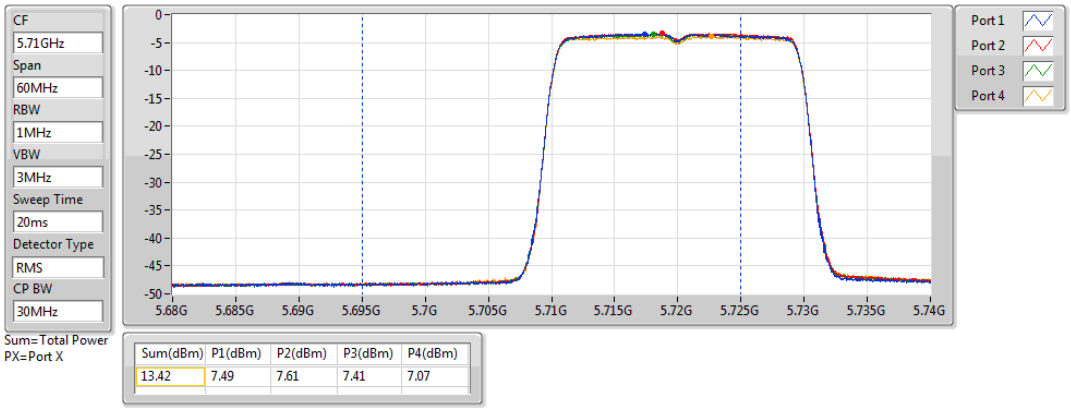


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
6.83	0.90	0.95	0.82	0.54

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

15/07/2020



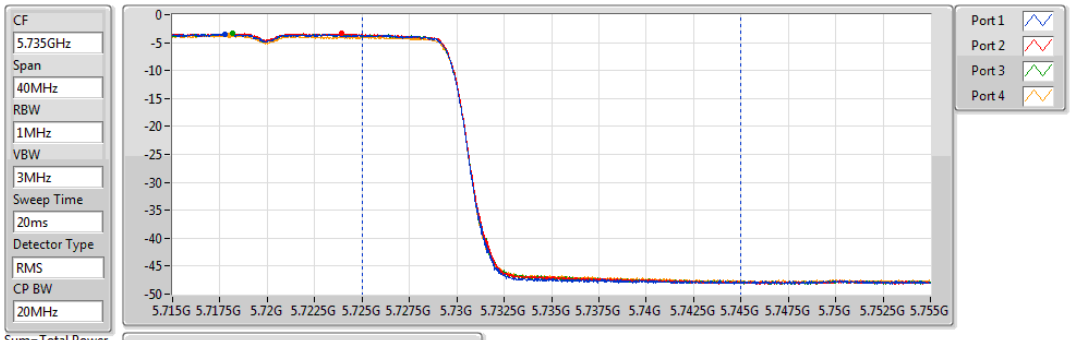
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.42	7.49	7.61	7.41	7.07

For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

15/07/2020

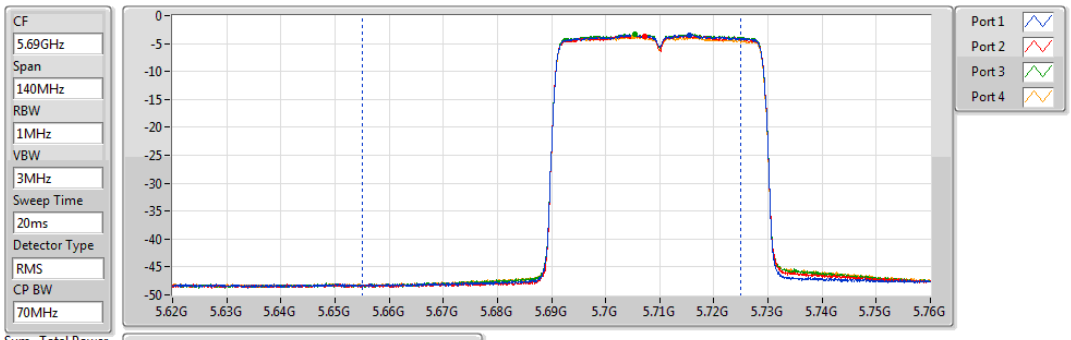


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8.29	2.31	2.39	2.35	2.02

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

15/07/2020

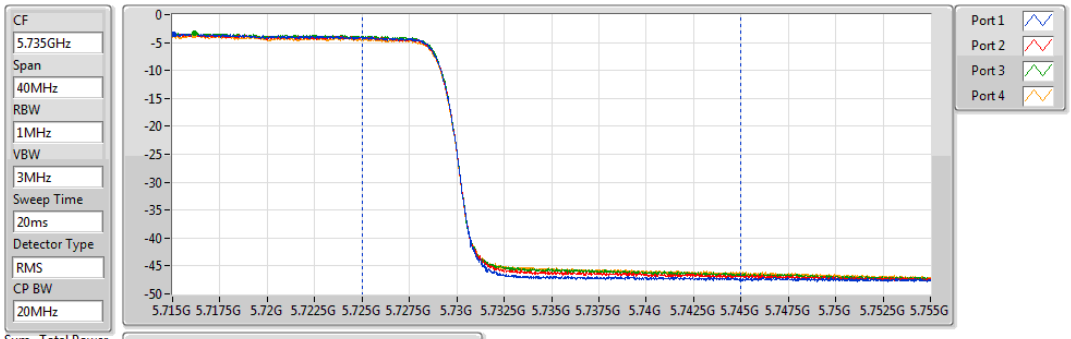


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.97	11.03	10.89	11.15	10.72

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

15/07/2020



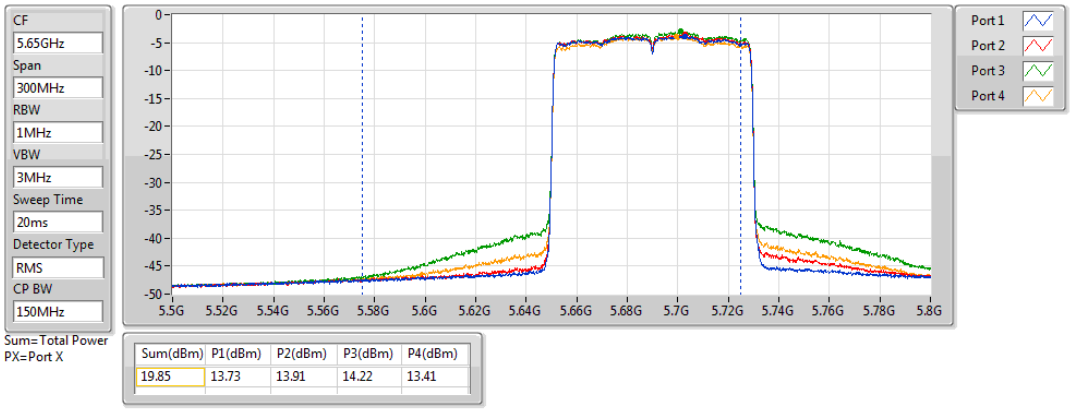
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
7.19	1.22	1.15	1.40	0.91

For EUT 2 / Radio 1 / External Ant.2_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

15/07/2020

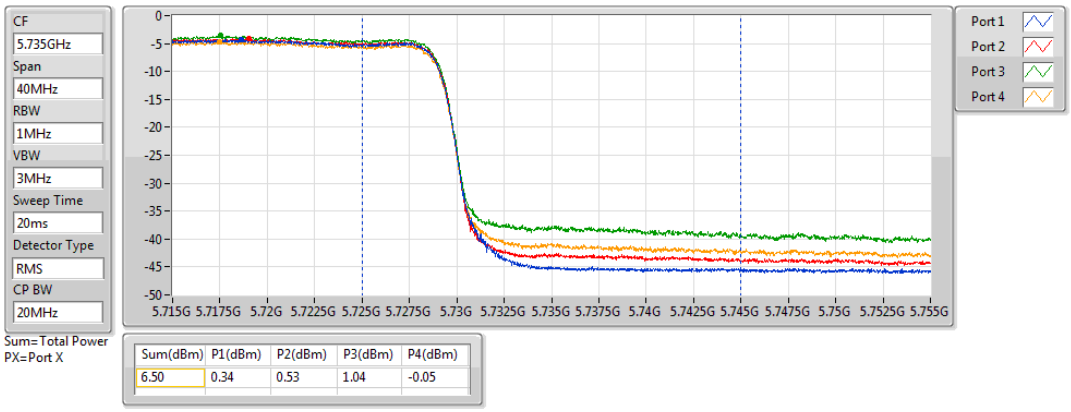


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
19.85	13.73	13.91	14.22	13.41

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

15/07/2020



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
6.50	0.34	0.53	1.04	-0.05

For EUT 2 / Radio 1 / External Ant.2_Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	13.86	0.02432
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.83	0.02415
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	13.77	0.02382
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	13.86	0.02432
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.92	0.02466
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	13.95	0.02483
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.29	0.00675
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.07	0.00255
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.56	0.00114

For EUT 2 / Radio 1 / External Ant.2_Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	16.02	7.61	7.66	7.60	8.38	13.85	13.96
5300MHz	Pass	16.02	7.91	7.75	7.36	8.27	13.86	13.96
5320MHz	Pass	16.02	7.92	7.66	7.34	8.32	13.85	13.96
5500MHz	Pass	16.02	7.96	7.50	7.10	8.50	13.82	13.96
5580MHz	Pass	16.02	7.99	7.44	7.38	8.27	13.81	13.96
5700MHz	Pass	16.02	7.98	8.07	7.72	7.55	13.86	13.96
5720MHz Straddle 5.47-5.725GHz	Pass	16.02	7.49	7.61	7.41	7.07	13.42	13.96
5720MHz Straddle 5.725-5.85GHz	Pass	16.02	2.31	2.39	2.35	2.02	8.29	19.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	16.02	8.17	7.57	7.44	7.80	13.77	13.96
5310MHz	Pass	16.02	8.12	7.78	7.21	8.07	13.83	13.96
5510MHz	Pass	16.02	7.83	7.88	7.32	8.48	13.92	13.96
5550MHz	Pass	16.02	7.88	7.93	7.51	8.21	13.91	13.96
5670MHz	Pass	16.02	8.07	7.73	7.49	7.65	13.76	13.96
5710MHz Straddle 5.47-5.725GHz	Pass	16.02	8.18	7.70	7.74	7.60	13.83	13.96
5710MHz Straddle 5.725-5.85GHz	Pass	16.02	-1.68	-2.02	-2.04	-2.09	4.07	19.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	16.02	8.01	7.27	7.29	8.34	13.77	13.96
5530MHz	Pass	16.02	8.17	7.93	7.21	8.26	13.93	13.96
5610MHz	Pass	16.02	7.97	8.19	7.42	7.89	13.90	13.96
5690MHz Straddle 5.47-5.725GHz	Pass	16.02	7.98	8.20	7.79	7.72	13.95	13.96
5690MHz Straddle 5.725-5.85GHz	Pass	16.02	-5.47	-5.20	-5.41	-5.78	0.56	19.98

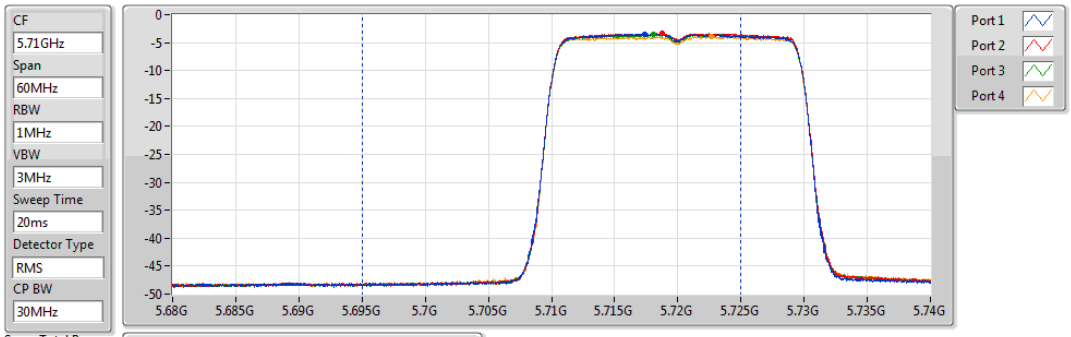
DG = Directional Gain; **Port X** = Port X output power

For EUT 2 / Radio 1 / External Ant.2_Beamforming Mode

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

15/07/2020



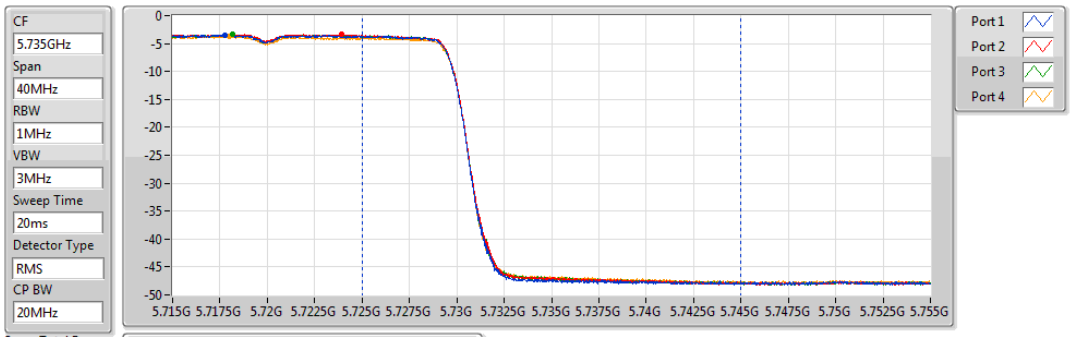
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.42	7.49	7.61	7.41	7.07

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

15/07/2020



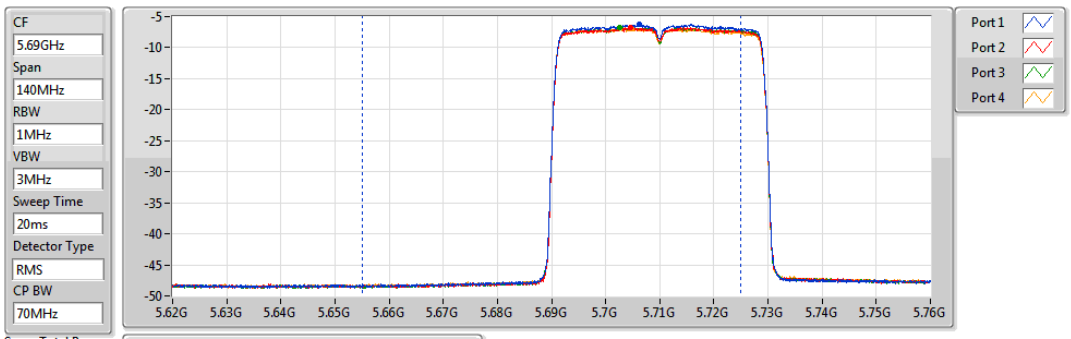
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8.29	2.31	2.39	2.35	2.02

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

15/07/2020



Sum=Total Power
PX=Port X

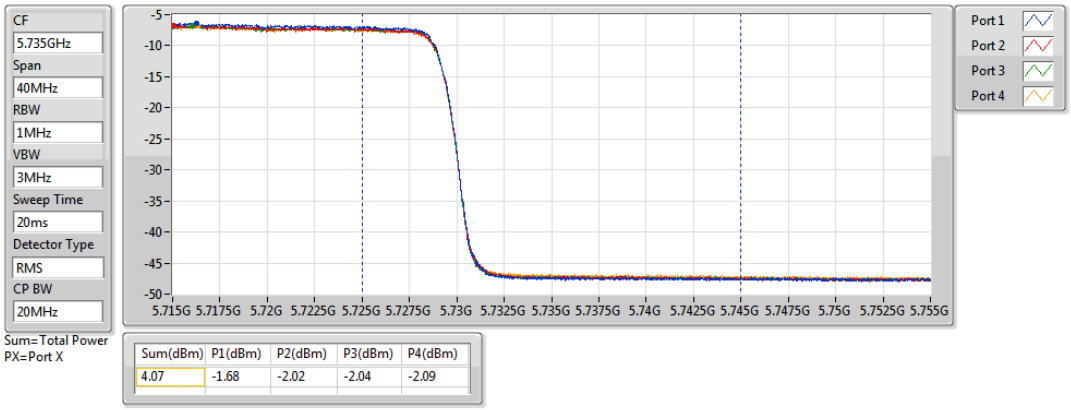
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.83	8.18	7.70	7.74	7.60

For EUT 2 / Radio 1 / External Ant.2_Beamforming Mode

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

15/07/2020

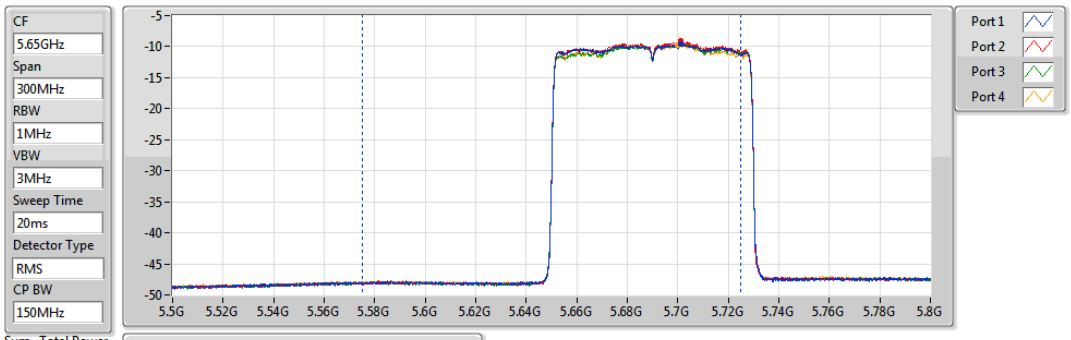


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
4.07	-1.68	-2.02	-2.04	-2.09

802.11ax HEW80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

15/07/2020

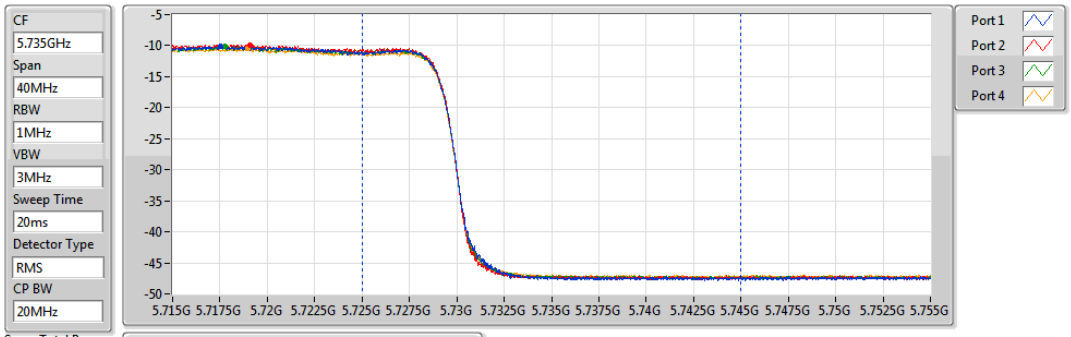


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.95	7.98	8.20	7.79	7.72

802.11ax HEW80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

15/07/2020



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
0.56	-5.47	-5.20	-5.41	-5.78

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	16.84	0.04831
802.11ax HEW20_Nss1,(MCS0)_2TX	17.48	0.05598
802.11ax HEW40_Nss1,(MCS0)_2TX	19.95	0.09886
802.11ax HEW80_Nss1,(MCS0)_2TX	19.87	0.09705
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	16.74	0.04721
802.11ax HEW20_Nss1,(MCS0)_2TX	17.32	0.05395
802.11ax HEW40_Nss1,(MCS0)_2TX	19.95	0.09886
802.11ax HEW80_Nss1,(MCS0)_2TX	19.82	0.09594
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.75	0.00944
802.11ax HEW20_Nss1,(MCS0)_2TX	11.36	0.01368
802.11ax HEW40_Nss1,(MCS0)_2TX	10.24	0.01057
802.11ax HEW80_Nss1,(MCS0)_2TX	6.45	0.00442

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	10.00	13.39	13.72	16.57	19.98
5300MHz	Pass	10.00	13.53	14.07	16.82	19.98
5320MHz	Pass	10.00	13.40	14.22	16.84	19.98
5500MHz	Pass	10.00	13.30	13.70	16.51	19.98
5580MHz	Pass	10.00	13.42	14.01	16.74	19.98
5700MHz	Pass	10.00	12.81	14.07	16.50	19.98
5720MHz Straddle 5.47-5.725GHz	Pass	10.00	12.16	13.51	15.90	18.92
5720MHz Straddle 5.725-5.85GHz	Pass	10.00	6.02	7.36	9.75	26.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	10.00	14.34	14.18	17.27	19.98
5300MHz	Pass	10.00	14.24	14.68	17.48	19.98
5320MHz	Pass	10.00	13.91	14.52	17.24	19.98
5500MHz	Pass	10.00	13.89	14.61	17.28	19.98
5580MHz	Pass	10.00	13.91	14.68	17.32	19.98
5700MHz	Pass	10.00	13.34	14.86	17.18	19.98
5720MHz Straddle 5.47-5.725GHz	Pass	10.00	12.69	14.06	16.44	18.95
5720MHz Straddle 5.725-5.85GHz	Pass	10.00	7.63	8.97	11.36	26.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	10.00	16.90	16.98	19.95	19.98
5310MHz	Pass	10.00	16.32	16.96	19.66	19.98
5510MHz	Pass	10.00	15.59	16.22	18.93	19.98
5550MHz	Pass	10.00	16.83	17.04	19.95	19.98
5670MHz	Pass	10.00	15.98	17.60	19.88	19.98
5710MHz Straddle 5.47-5.725GHz	Pass	10.00	16.13	17.57	19.92	19.98
5710MHz Straddle 5.725-5.85GHz	Pass	10.00	6.49	7.86	10.24	26.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	10.00	16.78	16.94	19.87	19.98
5530MHz	Pass	10.00	15.92	16.70	19.34	19.98
5610MHz	Pass	10.00	15.68	17.70	19.82	19.98
5690MHz Straddle 5.47-5.725GHz	Pass	10.00	15.74	17.57	19.76	19.98
5690MHz Straddle 5.725-5.85GHz	Pass	10.00	2.52	4.20	6.45	26.00

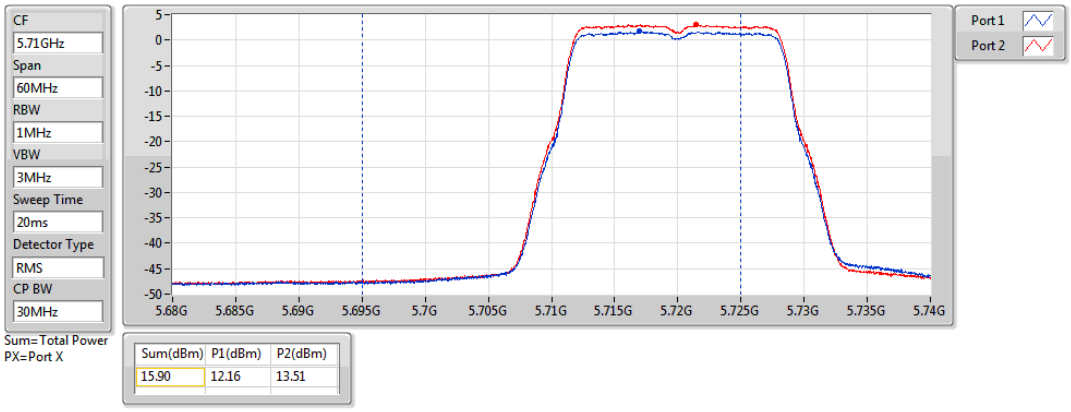
DG = Directional Gain; **Port X** = Port X output power

For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

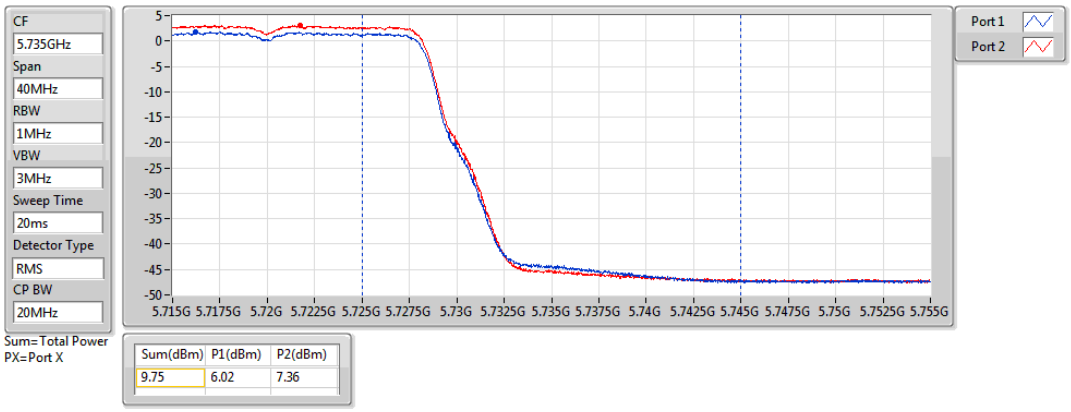
15/07/2020



802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

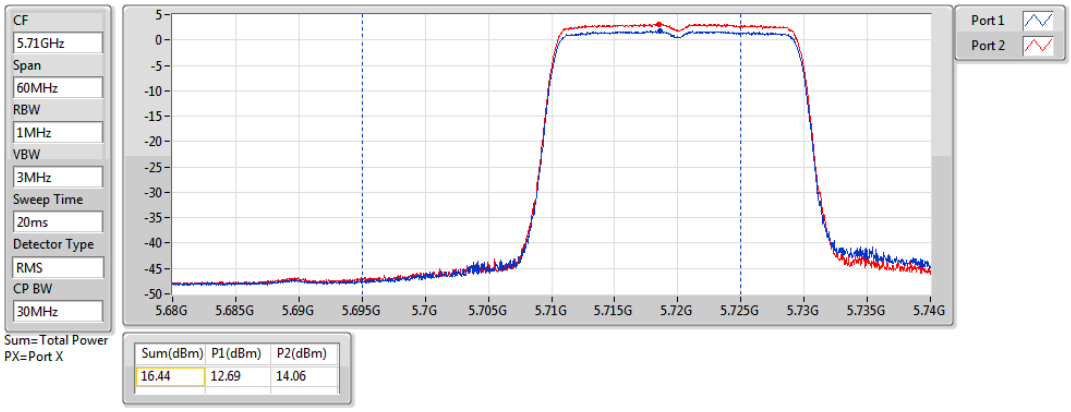
15/07/2020



802.11ax HEW20_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

15/07/2020

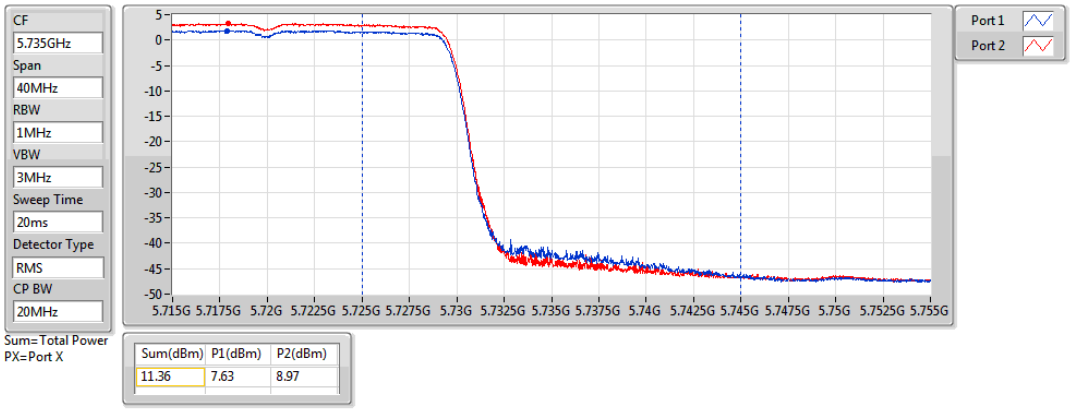


For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

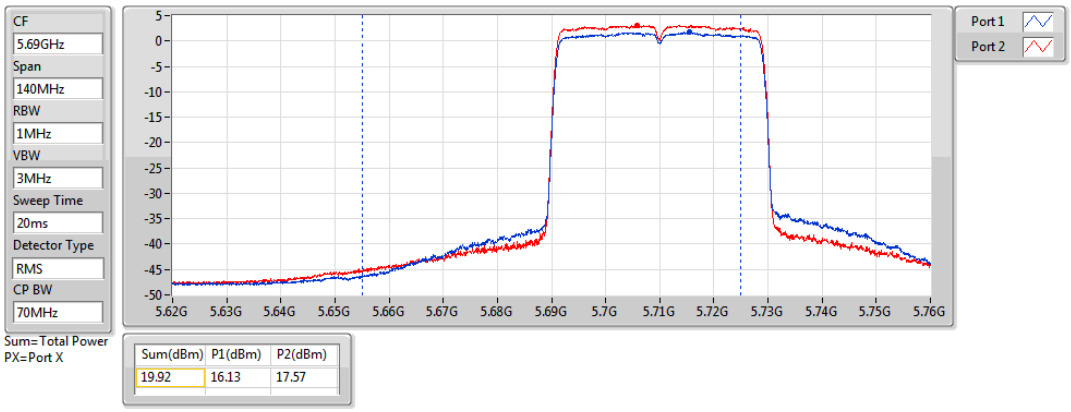
15/07/2020



802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

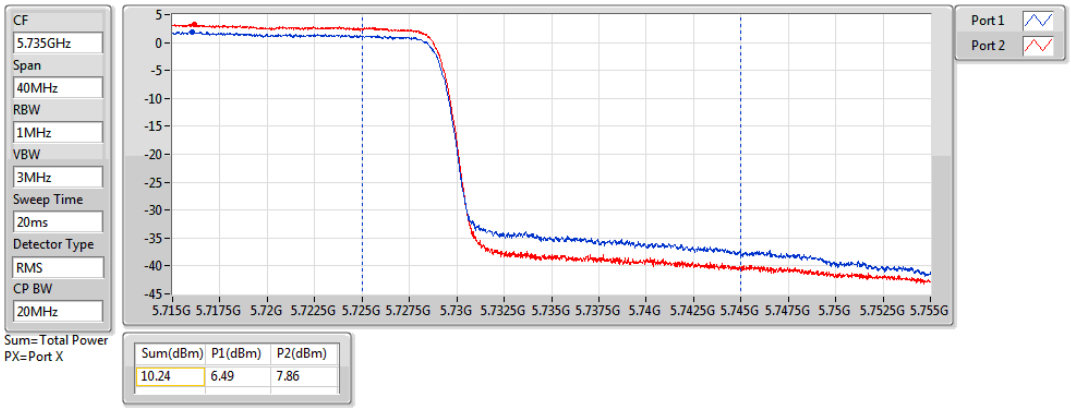
15/07/2020



802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

15/07/2020

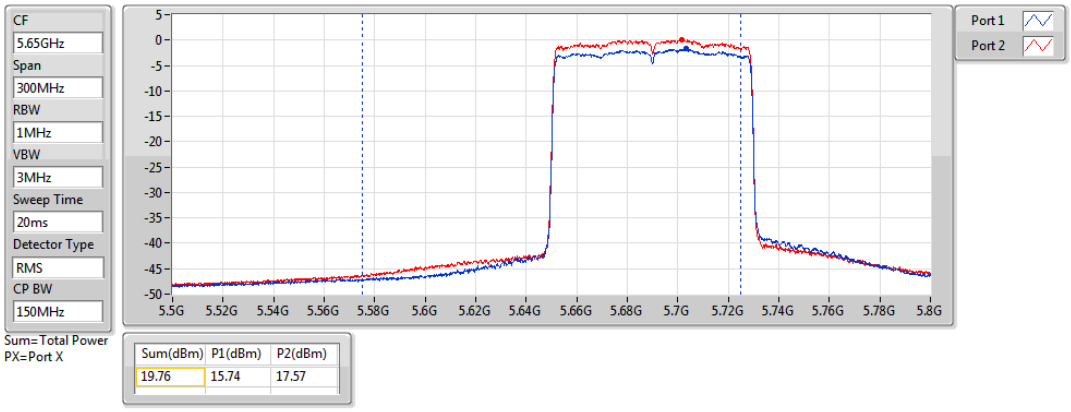


For EUT 2 / Radio 3 / External Ant.2_Non-Beamforming Mode

802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

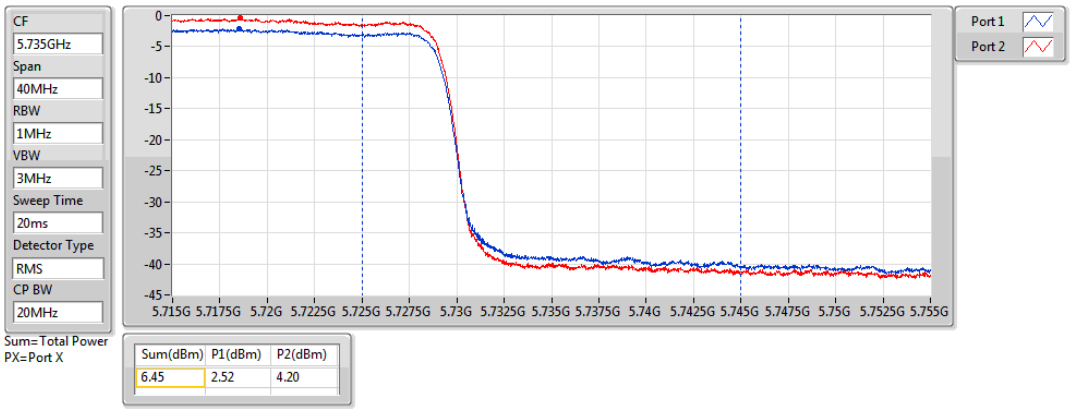
15/07/2020



802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

15/07/2020



For EUT 1 / Radio 1_Non-Beamforming Mode
Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	4.83
802.11ax HEW20_Nss1,(MCS0)_4TX	4.91
802.11ax HEW40_Nss1,(MCS0)_4TX	4.92
802.11ax HEW80_Nss1,(MCS0)_4TX	0.23
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	4.86
802.11ax HEW20_Nss1,(MCS0)_4TX	4.91
802.11ax HEW40_Nss1,(MCS0)_4TX	4.95
802.11ax HEW80_Nss1,(MCS0)_4TX	4.87
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	2.96
802.11ax HEW20_Nss1,(MCS0)_4TX	3.29
802.11ax HEW40_Nss1,(MCS0)_4TX	3.27
802.11ax HEW80_Nss1,(MCS0)_4TX	2.57

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

For EUT 1 / Radio 1_Non-Beamforming Mode
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	12.02	-1.00	-0.99	-1.34	-1.24	4.76	4.98
5300MHz	Pass	12.02	-0.83	-1.13	-1.72	-1.04	4.75	4.98
5320MHz	Pass	12.02	-0.67	-0.95	-1.99	-0.80	4.83	4.98
5500MHz	Pass	12.02	-0.97	-0.90	-1.59	-1.22	4.76	4.98
5580MHz	Pass	12.02	-0.81	-1.22	-1.14	-1.04	4.86	4.98
5700MHz	Pass	12.02	-0.67	-0.97	-1.62	-1.07	4.84	4.98
5720MHz Straddle 5.47-5.725GHz	Pass	12.02	-0.80	-1.08	-1.76	-1.22	4.77	4.98
5720MHz Straddle 5.725-5.85GHz	Pass	12.02	-2.64	-2.85	-3.51	-2.99	2.96	23.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	12.02	-0.72	-1.10	-1.37	-1.07	4.87	4.98
5300MHz	Pass	12.02	-0.60	-0.98	-1.68	-0.84	4.91	4.98
5320MHz	Pass	12.02	-0.56	-1.19	-2.04	-1.02	4.82	4.98
5500MHz	Pass	12.02	-0.86	-1.13	-1.56	-1.12	4.78	4.98
5580MHz	Pass	12.02	-0.91	-1.30	-1.15	-0.85	4.91	4.98
5700MHz	Pass	12.02	-2.52	-2.87	-3.41	-2.79	3.02	4.98
5720MHz Straddle 5.47-5.725GHz	Pass	12.02	-0.85	-1.08	-1.60	-0.98	4.82	4.98
5720MHz Straddle 5.725-5.85GHz	Pass	12.02	-2.43	-2.58	-3.17	-2.62	3.29	23.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	12.02	-0.99	-1.04	-1.14	-0.88	4.92	4.98
5310MHz	Pass	12.02	-2.71	-2.93	-3.58	-2.89	2.93	4.98
5510MHz	Pass	12.02	-3.84	-3.87	-4.19	-3.99	2.02	4.98
5550MHz	Pass	12.02	-0.91	-1.16	-0.98	-0.89	4.95	4.98
5670MHz	Pass	12.02	-1.33	-1.63	-2.01	-1.48	4.33	4.98
5710MHz Straddle 5.47-5.725GHz	Pass	12.02	-0.61	-1.11	-1.45	-0.84	4.95	4.98
5710MHz Straddle 5.725-5.85GHz	Pass	12.02	-2.40	-3.04	-2.99	-2.41	3.27	23.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	12.02	-5.70	-5.78	-5.72	-5.64	0.23	4.98
5530MHz	Pass	12.02	-5.17	-4.91	-5.25	-5.14	0.84	4.98
5610MHz	Pass	12.02	-2.22	-2.10	-3.01	-2.18	3.56	4.98
5690MHz Straddle 5.47-5.725GHz	Pass	12.02	-0.93	-0.78	-1.64	-1.10	4.87	4.98
5690MHz Straddle 5.725-5.85GHz	Pass	12.02	-3.07	-3.32	-3.79	-3.29	2.57	23.98

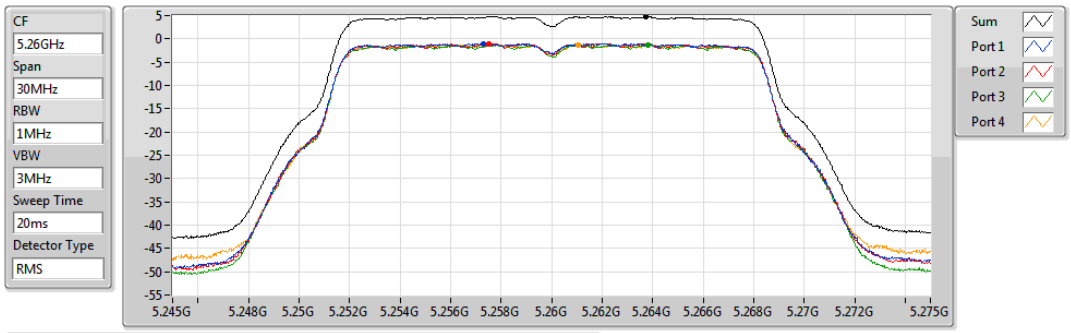
DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

For EUT 1 / Radio 1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX PSD

5260MHz

11/07/2020

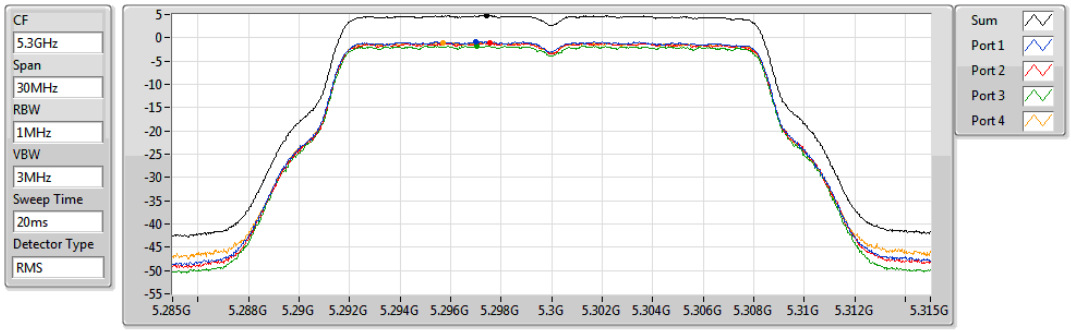


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.76	4.76	-1.00	-0.99	-1.34	-1.24

802.11a_Nss1,(6Mbps)_4TX PSD

5300MHz

11/07/2020

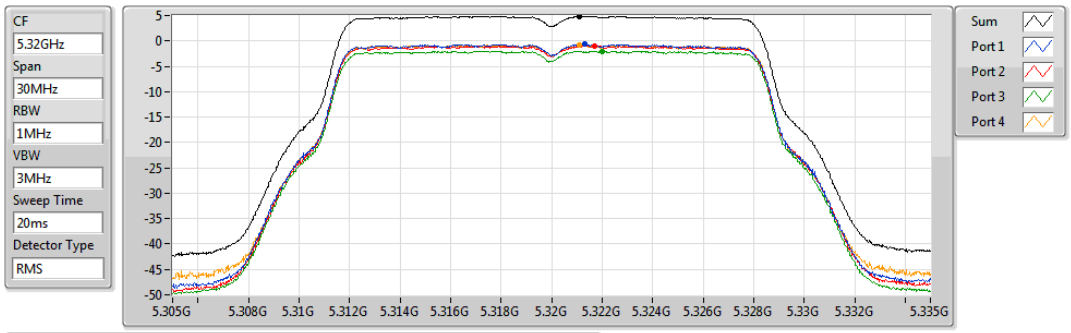


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.75	4.75	-0.83	-1.13	-1.72	-1.04

802.11a_Nss1,(6Mbps)_4TX PSD

5320MHz

11/07/2020



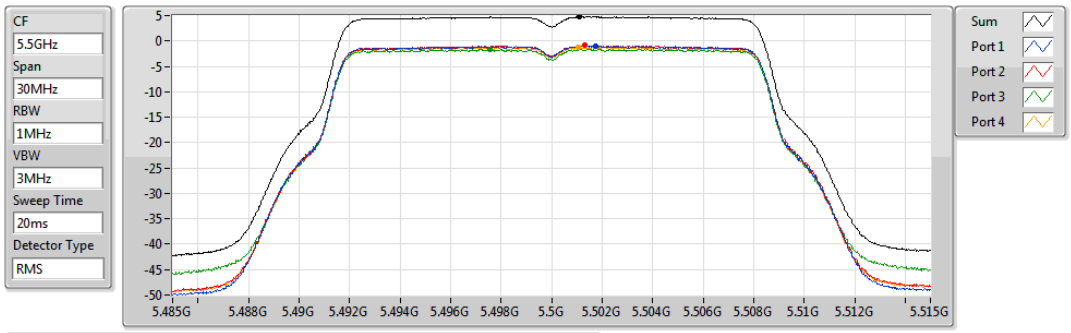
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.83	4.83	-0.67	-0.95	-1.99	-0.80

For EUT 1 / Radio 1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX **PSD**

5500MHz

11/07/2020

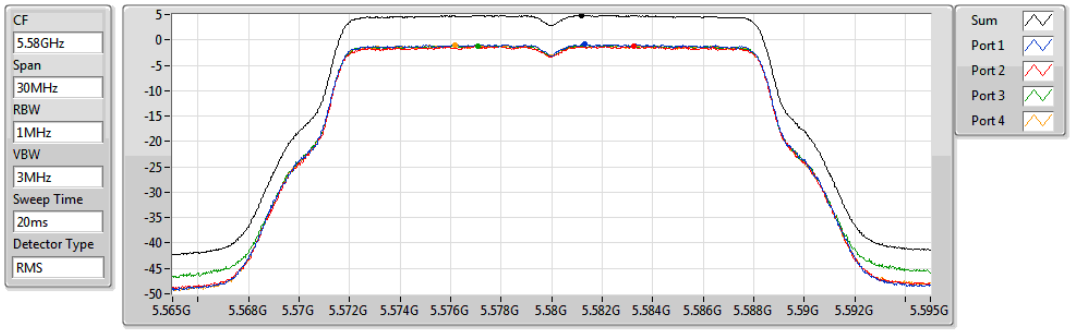


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.76	4.76	-0.97	-0.90	-1.59	-1.22

802.11a_Nss1,(6Mbps)_4TX **PSD**

5580MHz

11/07/2020

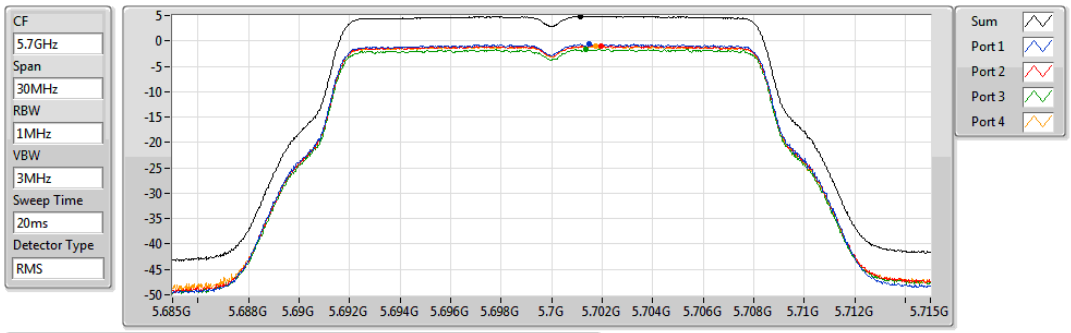


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.86	4.86	-0.81	-1.22	-1.14	-1.04

802.11a_Nss1,(6Mbps)_4TX **PSD**

5700MHz

11/07/2020



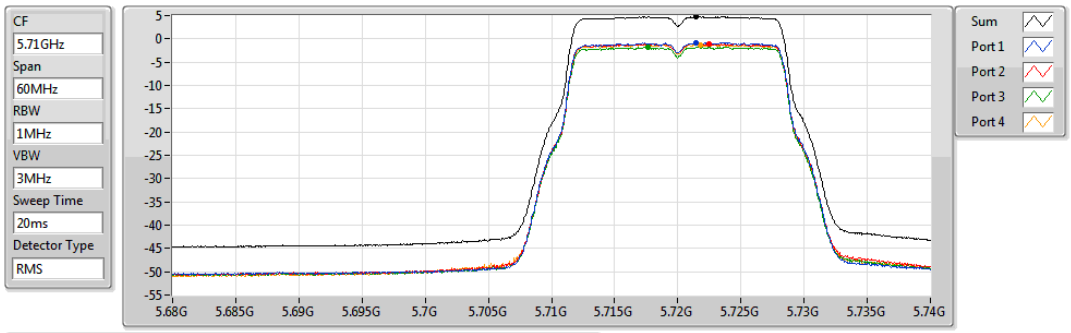
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.84	4.84	-0.67	-0.97	-1.62	-1.07

For EUT 1 / Radio 1_Non-Beamforming Mode

802.11a_Nss1,(6Mbps)_4TX **PSD**

5720MHz Straddle 5.47-5.725GHz

11/07/2020

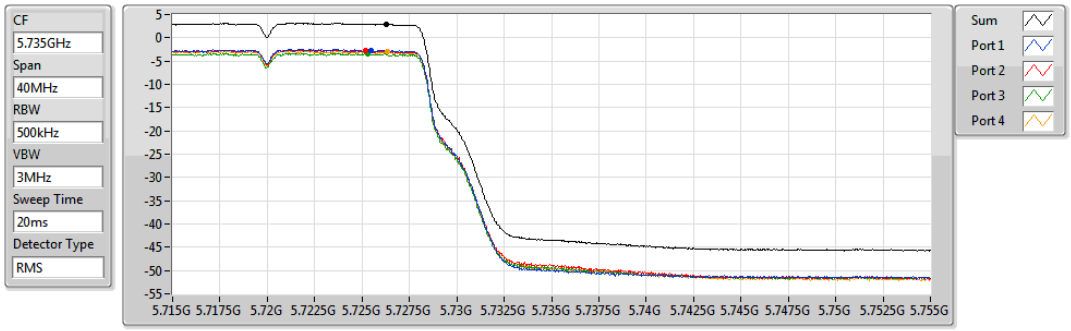


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.77	4.77	-0.80	-1.08	-1.76	-1.22

802.11a_Nss1,(6Mbps)_4TX **PSD**

5720MHz Straddle 5.725-5.85GHz

11/07/2020

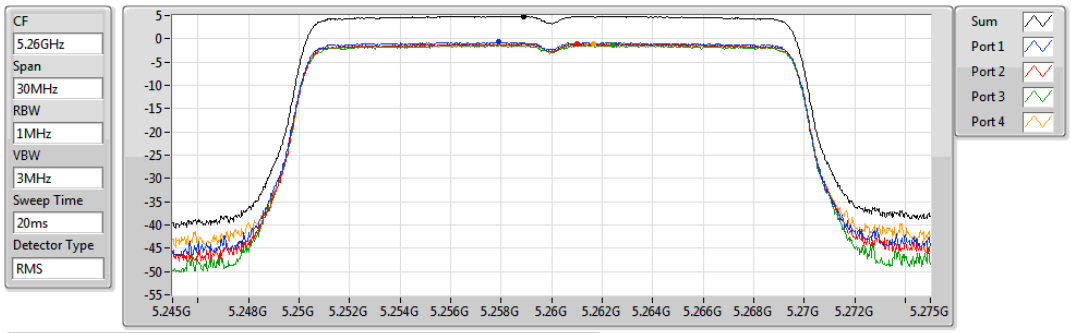


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.96	2.96	-2.64	-2.85	-3.51	-2.99

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

5260MHz

11/07/2020



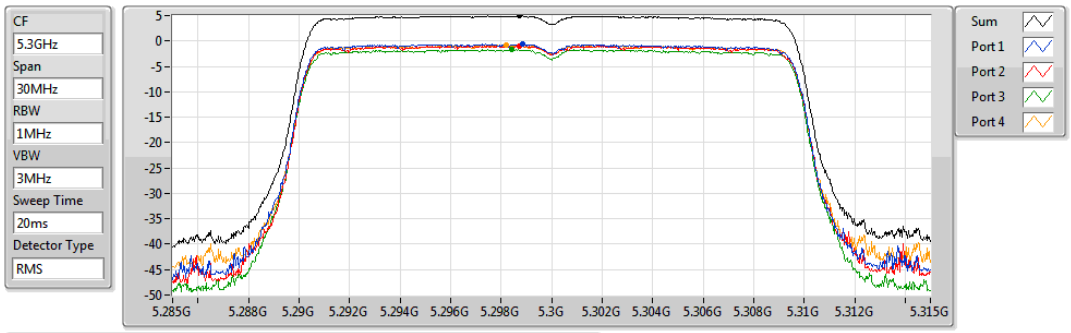
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.87	4.87	-0.72	-1.10	-1.37	-1.07

For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5300MHz

11/07/2020

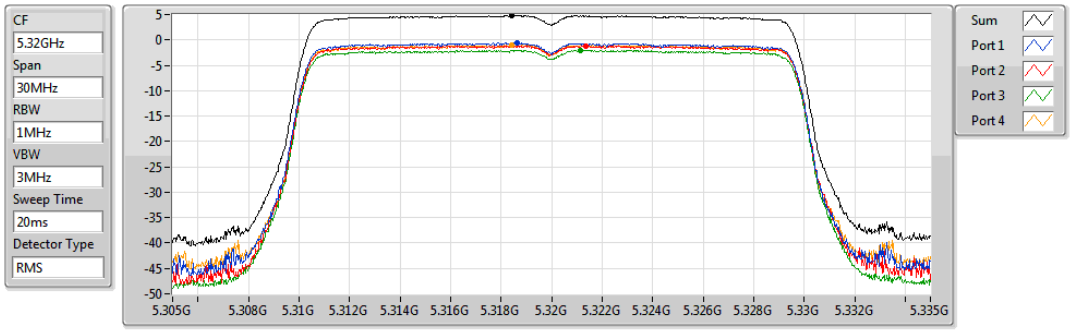


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.91	4.91	-0.60	-0.98	-1.68	-0.84

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5320MHz

11/07/2020

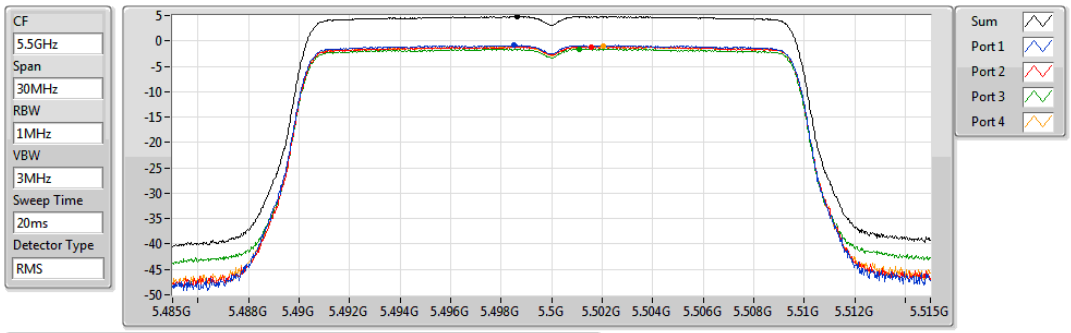


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.82	4.82	-0.56	-1.19	-2.04	-1.02

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5500MHz

11/07/2020



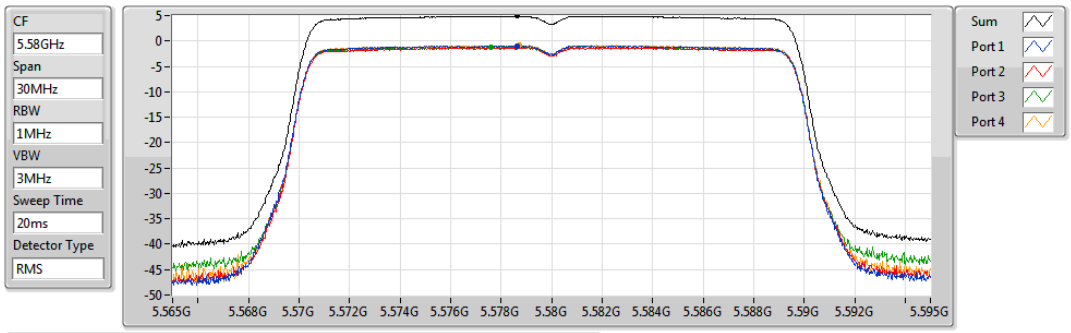
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.78	4.78	-0.86	-1.13	-1.56	-1.12

For EUT 1 / Radio 1_Non-Beamforming Mode

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5580MHz

11/07/2020

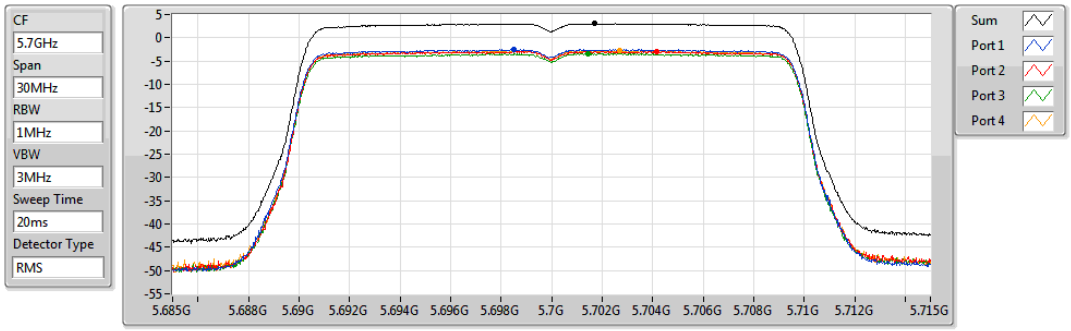


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.91	4.91	-0.91	-1.30	-1.15	-0.85

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5700MHz

11/07/2020

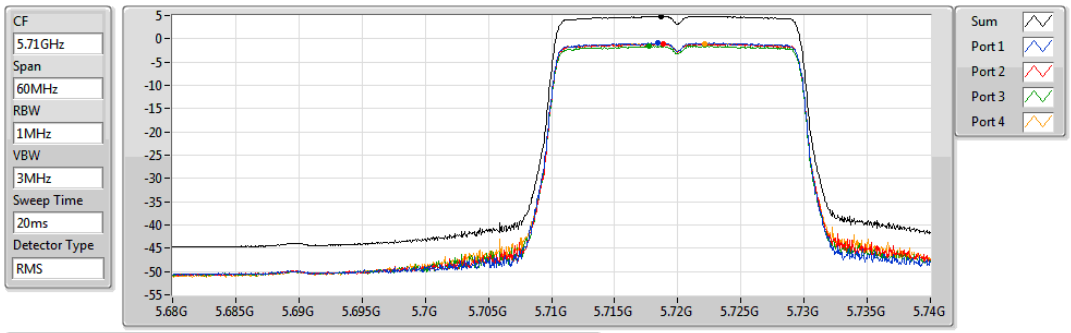


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.02	3.02	-2.52	-2.87	-3.41	-2.79

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5720MHz Straddle 5.47-5.725GHz

11/07/2020



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.82	4.82	-0.85	-1.08	-1.60	-0.98